EPSON®

INK JET PRINTER

STYLUS® PHOTO **R2400**

User's Guide

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Welcome!

Your Epson Stylus® Photo R2400 gives you beautiful archival prints on a wide variety of glossy and matte papers in many sizes.

Your outstanding printouts result from these advanced features:

- Nine individually replaceable Epson® ink cartridges let you print at up to 5760 × 1440 dpi (dots per inch).
- Large gamut, pigment-based, Epson UltraChrome K3 inks and compatible papers deliver brilliant, long-lasting, water-resistant prints.
- Light Black, Light Light Black, and either Photo Black or Matte Black ink cartridges provide neutrality and tonal scale accuracy for demanding Black & White photographs.
- Advanced B&W Photo driver functions, which include easy and powerful settings for controlling black and white color tonalities (such as neutral, cool, warm, sepia).
- Large format and thick media capabilities let you print panoramics, portraits, and specialty prints up to 13 × 44 inches.
- Versatile paper handling lets you create BorderFree,® frame-ready prints in popular sizes, including 4 × 6, 5 × 7, 8 × 10, Letter, 11 × 14, 12 × 12, 13 × 19, and others.
- Roll paper feeder for continuous printing of multiple photos or panoramics.
- Automatic print head cleaning and alignment utilities analyze your print quality and improve it quickly and easily.
- Fast connections through Hi-Speed USB 2.0 and FireWire® (IEEE 1394) ports.

  Note: To achieve the highest USB speed, your computer must also have a Hi-Speed USB 2.0 port connected to the printer with a Hi-Speed USB 2.0 cable.

About Exif Print

The Exif (Exchangeable Image File) Print format includes information about your digital camera settings in JPEG/TIFF files so your printer and application can use them to create accurate print settings. Most digital cameras store Exif Print information such as shutter speed, metering, flash, and exposure settings, resolution, and lens use in the JPEG/TIFF image file. Your printer uses the information to ensure the most accurate image reproduction.

About Your Software

Your printer CD-ROM includes all the software you need for printing. See the *Start Here* sheet for installation instructions.

- **Your printer driver** runs your printer and lets you control how your documents look. You can't print without it.

  Tip: It's a good idea to check Epson's support web site periodically for free updates to your printer driver. Visit http://support.epson.com. Download instructions are posted for your convenience.

- **Your photo software** includes these great tools:

  Epson EasyPrint Module (for Windows®) works with certain photo printing applications to make controlling printing on your Stylus Photo R2400 fast and easy.

  EPSON RAW Print (for Windows) helps you open and print RAW-formatted images. (See your online *Reference Guide* for information.)

  Epson Premium ICC Color Profiles work with Adobe Photoshop and other software applications to control the colors in your prints on various paper types. You can download additional profiles at http://support.epson.com.

  Epson PhotoCenter℠ is Epson's free photo-sharing web site where you can store, organize, and share your photos; print high-resolution photos straight from the web; and create free online postcards. Your printer software installer lets you add a link to Epson PhotoCenter on your desktop.

About Your Documentation

To set up your printer and install its software, see the *Start Here* sheet.

This book contains system requirements, important safety information, your warranty, and instructions on:

- Loading all types of paper
- Printing with Windows or Mac OS® X
- Maintaining the printer
- Troubleshooting

Please follow these guidelines throughout:

Warnings must be followed carefully to avoid bodily injury.

Cautions must be observed to avoid damage to your equipment.

Notes contain important information about your printer.

Tips contain hints for better printing.

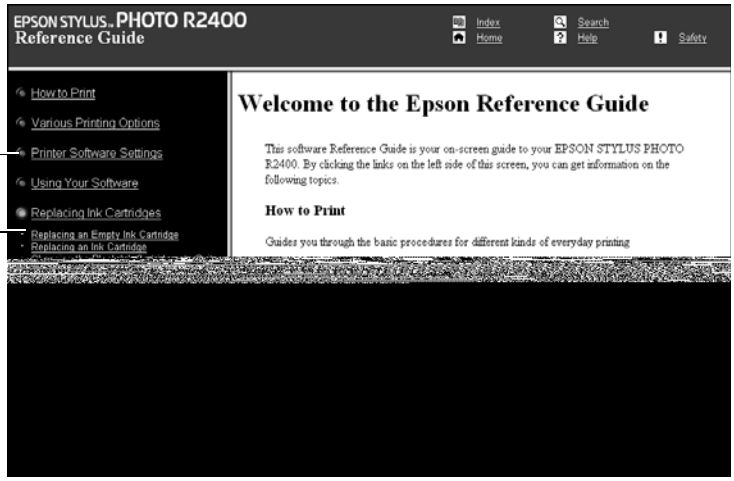
For more details about your printer, network setup instructions and specifications, see your on-screen *Reference Guide*, as described in the next section.

Viewing the On-screen Reference Guide

Follow the instructions on the *Start Here* sheet to install the on-screen *Reference Guide*, if you haven't already.

Note: You need a browser—such as Microsoft® Internet Explorer 4.0 or later, Safari™ 1.0 or later, Mozilla™ Firefox™ 1.0 or later, or Netscape® Navigator® 3.0 or later—to view the manual. If you are using a different browser, the pages may not display correctly.

1. Double-click the SPR2400 Reference Guide icon on your desktop.
2. Click a topic on the left to expand the table of contents.
3. Click the topic you want to view.
   - If there's a right arrow ▶, click it to view subtopics, then click on a topic.
   - If there's a down arrow ▼, click it to close a subtopic list.



Note: If you see an icon for an unloaded graphic when viewing your *Reference Guide* in Netscape Navigator, click the **Reload** button to load the graphic.

Loading Paper

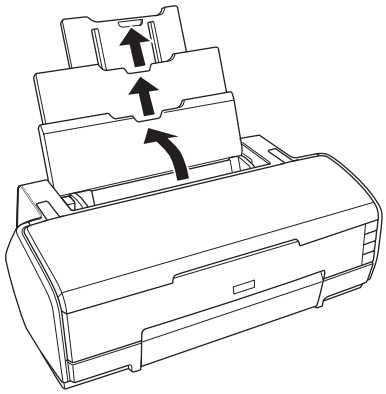
You can load a variety of paper types in your printer, as described in these sections:

Paper/Media	Where to load	See page
Plain paper Epson Premium Bright White Paper Epson Photo Quality Ink Jet Paper Epson Photo Quality Self Adhesive Sheets Epson Premium Glossy Photo Paper Epson Premium Semigloss Photo Paper Epson Premium Luster Photo Paper Epson UltraSmooth™ Fine Art Paper Sheet (325) Epson Enhanced Matte Paper* Epson Proofing Paper Semimatte Epson Matte Paper Heavyweight* Epson Double-Sided Matte Paper*	Sheet feeder	12, 14
Epson UltraSmooth Fine Art Paper PremierArt™ Matte Scrapbook Photo Paper for Epson Epson Velvet Fine Art Paper Epson Watercolor Paper - Radiant White	Single sheet guide	16
Roll paper	Roll paper holder	20
Thick media or posterboard (1.0 - 1.3 mm thickness)	Front path	24

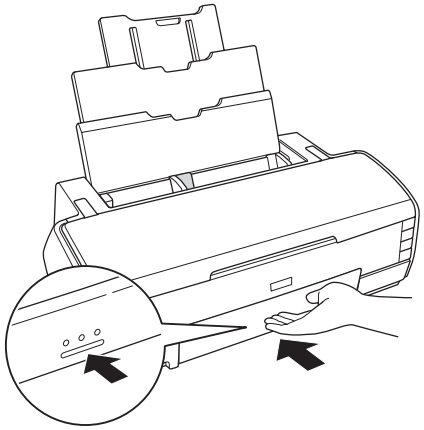
* This matte paper requires the matte sheet support when loading multiple sheets larger than letter-size; smaller paper can be loaded without it. See page 15 for instructions.

Loading Paper in the Sheet Feeder

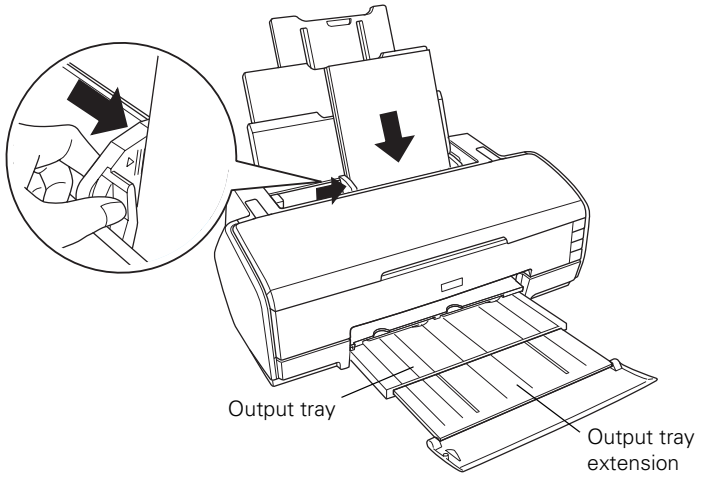
1. Open the paper support and pull up the support extensions.



2. Push in the bottom of the output tray. The tray opens and moves up.



3. Pull out the output tray extension.
4. Place your paper in the printer and slide it against the right side of the sheet feeder.



Check the following as you load paper:

- Always load the short edge first, even for printing landscape-oriented documents.
- Load the printable side face up. It's usually whiter or brighter than the other side.
- Load letterhead or preprinted paper into the printer top edge first.
- Don't load paper above the arrow on the left edge guide.

5. Adjust the left edge guide to fit lightly against the paper.

Note: The left edge guide moves slightly during paper handling and printing. Do not adjust the guide during this movement.

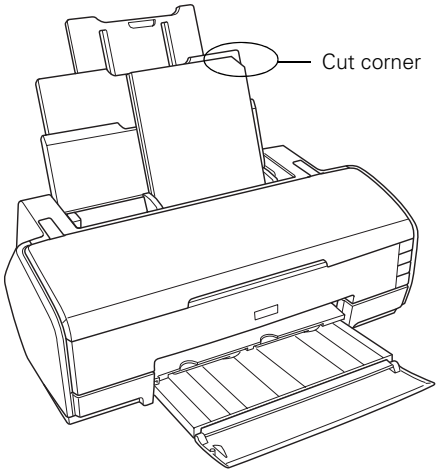
Loading Special Paper in the Sheet Feeder

You can load these Epson inkjet papers in the sheet feeder as follows:

Paper type	Loading capacity
Epson Enhanced Matte Paper* Epson Matte Paper Heavyweight* Epson Double-Sided Matte Paper* Epson Premium Glossy Photo Paper Epson Premium Semigloss Photo Paper Epson Premium Luster Photo Paper	20 sheets (10 sheets for A3 or Super B sizes)
Epson Photo Quality Ink Jet Paper	100 sheets (50 sheets for A3 or Super B sizes)
Epson Premium Bright White Paper	80 sheets
Epson Photo Quality Self Adhesive Sheets	1 sheet at a time

* This matte paper requires the matte sheet support when loading multiple sheets larger than letter-size; smaller paper can be loaded without it. See page 15 for instructions.

If the special paper has a cut corner, load the paper so the cut corner is positioned as shown here. Check the paper package for additional handling instructions.



Note: Always keep unused paper in the original package and store it flat to prevent curling.

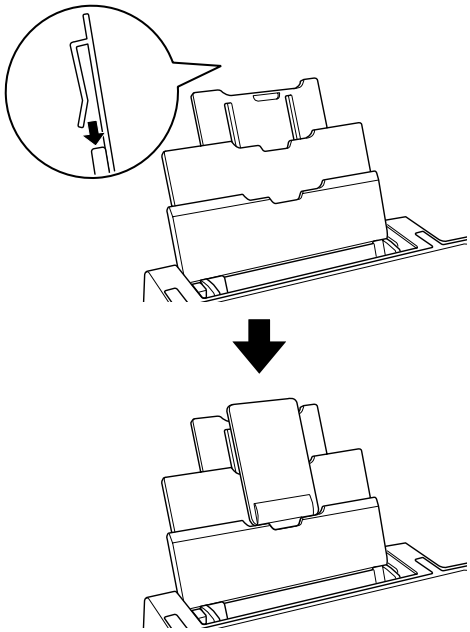
Loading Multiple Sheets of Matte Paper

If you are loading multiple sheets of the following papers in sizes larger than letter (8.5 × 11 inches), attach the matte sheet support to the top of the sheet feeder to help separate the sheets of paper and prevent misfeeds:

- Epson Enhanced Matte Paper
- Epson Matte Paper Heavyweight
- Epson Double-Sided Matte Paper

1. Open the paper support and pull up its extensions.

2. Place the hook on the back of the matte sheet support over the paper support extension, and hold the top extension with one hand while sliding the matte sheet support all the way down.



3. Load your paper as described on page 14.

   Note: Remove the matte sheet support when you load other types of paper.

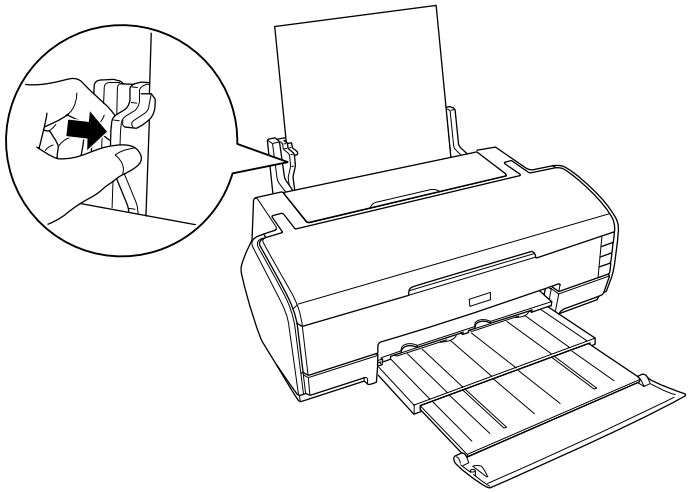
Loading Special Paper in the Single Sheet Guide

Load these types of paper in the single sheet guide:

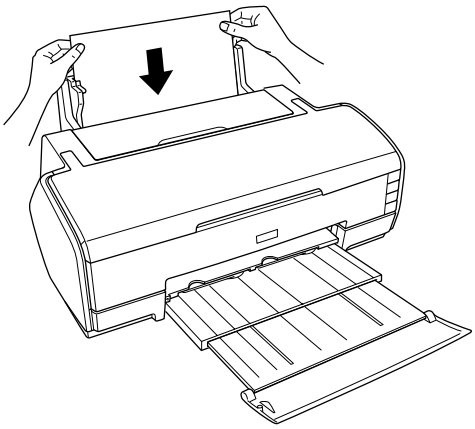
- Epson Watercolor Paper - Radiant White
- Epson Velvet Fine Art Paper
- Epson UltraSmooth Fine Art Paper
- PremierArt Matte Scrapbook Photo Paper for Epson

1. Remove the roll paper holder, if it's installed (see page 20).

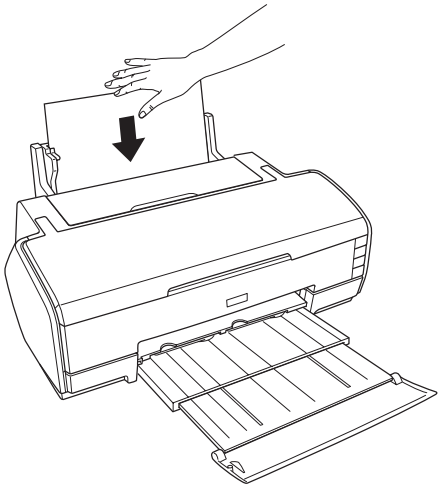
5. Insert one sheet of paper against the right edge, then slide the edge guide against the sheet.



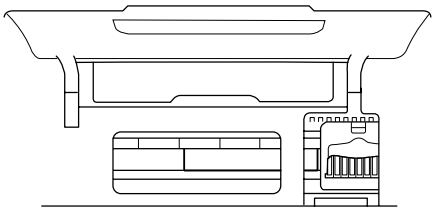
6. Guide the paper into the slot and feed it into the printer until the paper meets resistance.



7. Maintain constant pressure against the paper until the printer pulls it in slightly. Let go of the paper to allow the printer to adjust the paper position.



8. Open the printer cover and look down into the printer to make sure the paper is straight. If the paper is crooked, press the ◇ roll paper button for three seconds to back the paper out, then remove the paper, press the paper button to clear the paper out error, and load the paper again.



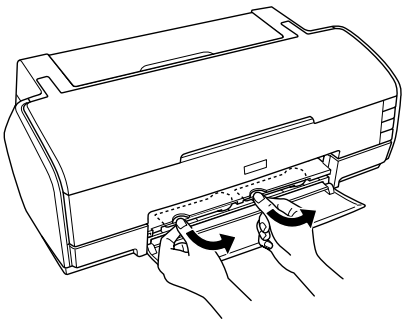
9. Before printing, select Manual - Roll as the Source setting (Windows) or Manual - Roll as the paper source setting within the Paper Size menu (Macintosh®) in your printer software (see page 28 for Windows or page 33 for Macintosh).

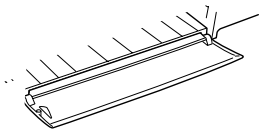
Loading Roll Paper

You can load 4-inch, 8.3-inch, or 13-inch wide roll paper for printing multiple photos or panoramics, with or without borders.

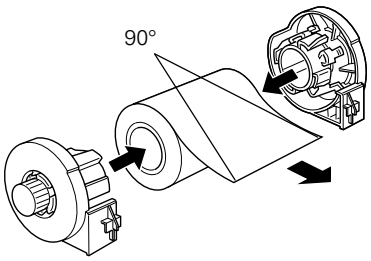
> **Tip:** It's a good idea to check your ink levels before loading and printing on roll paper (see page 83). If you need to replace a cartridge with roll paper loaded, you should remove the paper or marks may appear in your printout.

1. Turn on the printer and remove any paper loaded in the sheet feeder.
2. Close the paper support at the top of the printer.
3. If the output tray and extension are open, push them in, but leave the flap at the end of the tray down.
4. Swing out the roll paper guides until they are straight.

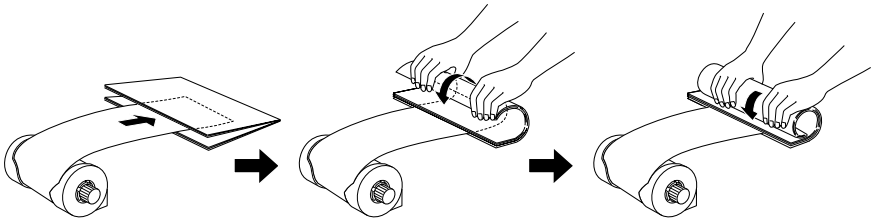




5. Place the roll paper on the holders as shown, then remove the tape and protective paper from the end of the roll.

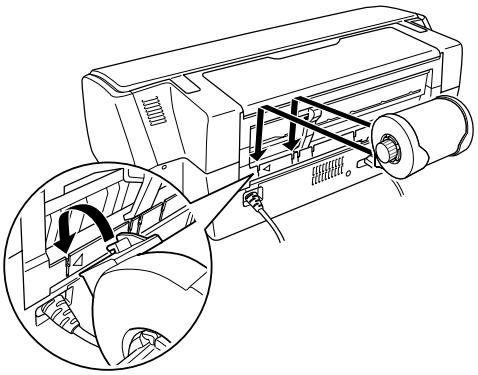


6. Make sure the end of the paper is cut straight across, with 90° corners. If the end is cut diagonally, you may have problems feeding the paper.
7. If the paper curls at the end, roll it backwards between a folded sheet of paper to uncurl it.

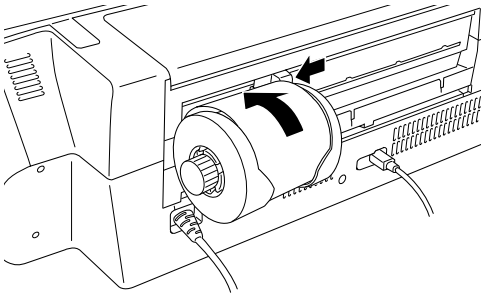


Avoid touching the printable surface of the roll paper.

8. Insert the left roll paper holder (marked with an orange triangle) into the far left slot (also marked with an orange triangle). Then insert the other holder into the corresponding slot on the right.



9. Load the paper part of the way into the roll paper feeder (under the white rollers), then slide the right roll paper edge guide to fit lightly against the paper.



Caution: Don't load roll paper into the sheet feeder or the slot behind the paper support; make sure it is loaded below the white rollers.

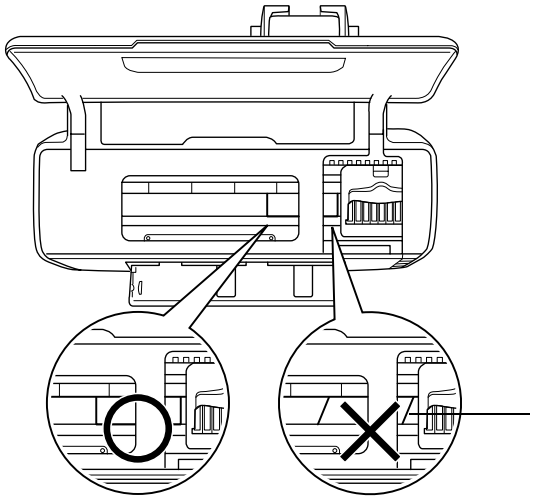
10. Push the paper into the feeder until the paper meets resistance. Maintain pressure on the paper until the printer feeds the paper automatically.

    Note: You may need to reload canvas or thicker roll media to ensure accurate paper registration.

    When loading PremierArt Water-Resistant Canvas, leave some slack between the roll and the printer to ensure smooth loading. Make sure to maintain slack while printing.

    When cutting roll media, it is important to have a straight edge. An uneven edge may result in misfeeds, misregistration, or unacceptable print quality.

11. Open the printer cover and look down into the printer to make sure the paper is straight.



    If the paper is crooked, press the ◇ roll paper button for three seconds to back the paper all the way out.

    Then turn the roll paper holder knobs to roll up the paper. Press the paper button to clear the paper out error. Repeat steps 7 through 9 to reload the paper.

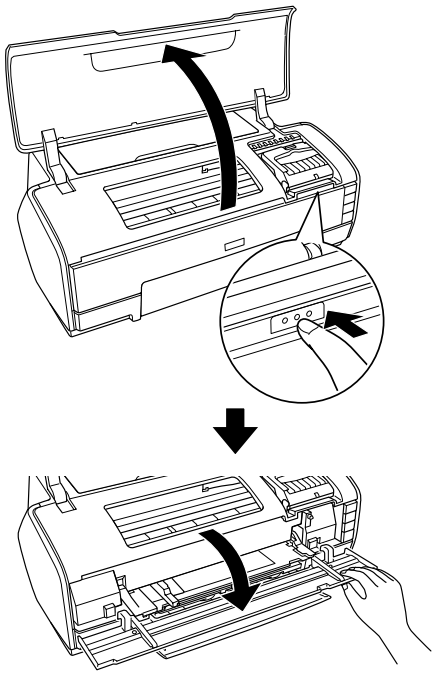
Follow the instructions on page 43 to print on roll paper.

Loading Thick Media in the Front Path

You can load media 1.0 - 1.3 mm thick into the front path, in sizes from 8 × 10 inches to A3+.

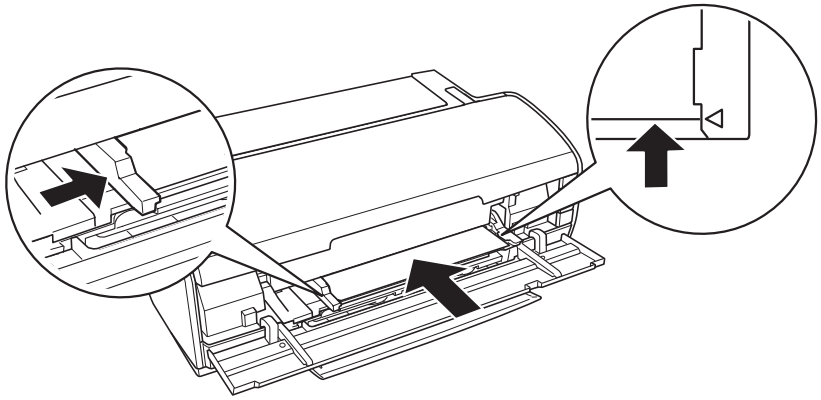
> **Note:** Since the media feeds through the printer from the front to the rear, make sure there is enough space behind the printer for the media to move completely through the printer.

1. Turn on the printer and remove any paper loaded in the sheet feeder at the top of the printer.
2. Close the paper support at the top of the printer.
3. If the output tray and extension are open, push them in, but leave the flap at the end of the tray down.
4. Open the printer cover. Then open the front path door completely by pressing the front path door release area.



5. Close the printer cover.

6. Insert the media two to three inches into the printer, and push the left edge guide against the media's edge. Maintain slight pressure on the guide while inserting the media the rest of the way into the printer. Stop when the front edge of the media is aligned with the arrow on the right side.



7. Press the paper button. The media is fed into the printer automatically. When the power light stops flashing, the printer is ready to print. (To remove the thick media without printing, press the paper button again.)
8. Before printing, select Manual - Front as the Source setting (Windows) or Manual - Front as the paper source setting within the Paper Size menu (Macintosh) in your printer software (see page 28 for Windows or page 33 for Macintosh).

Note: If the printer fails to load the media and displays an error, remove the media and turn off the printer. Then turn the printer on again.

Printing From Start to Finish

Follow the steps in these sections to print using your printer's basic features:

- "Basic Printing in Windows" on page 28
- "Customizing Your Windows Print Settings" on page 31
- "Basic Printing With Mac OS X" on page 33
- "Customizing Your Macintosh Print Settings" on page 39
- "Selecting the Correct Paper Type" on page 41

To print on roll paper or borderless cut sheets, or color-managed photos, see "Printing Special Photos" beginning on page 43.

Note: During printing, the left edge guide moves away from the paper slightly. Do not adjust this while the printer is printing. The printer will re-adjust the edge guide when printing is complete.

Tip: Whenever you print, make sure you:

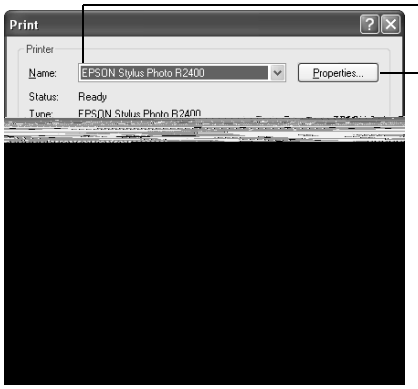
- **Use the right paper.**
  For the best-looking photos, most vivid colors, and greatest detail, always use genuine Epson papers and Epson UltraChrome K3 Hi-Gloss inks.
- **Choose the right printer settings for the paper**.
  Your printer automatically adjusts itself for the type of paper you've selected, so make sure your printer settings are correct for the paper you loaded.

Basic Printing in Windows

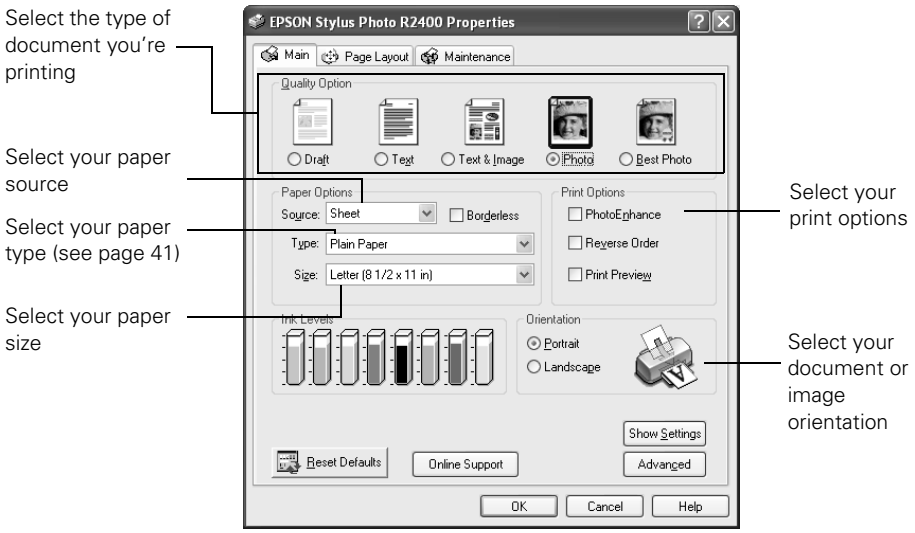
Follow the steps below to print a document or image using the basic printer settings.

For roll paper printing, see page 43. For borderless printing, see page 49.

1. From the File menu, click **Print**. You see a Print window like this one:



2. Make sure **EPSON Stylus Photo R2400** is selected.
3. Click the **Properties** or **Preferences** button. (If you see a **Setup**, **Printer**, or **Options** button, click it first.)
4. Click the **Main** tab in the printer settings window to see your basic settings.



5. Select one of these document types as the Quality Option setting:
   - Draft: For rough drafts with reduced print quality
   - Text: For text-only documents (like letters) with good print quality
   - Text & Image: For documents with text and images with higher print quality
   - Photo: For photos and graphics with good print quality and speed
   - Best Photo: For photos or graphics with high print quality
6. Select the way your paper is loaded as the Source setting:
   - Sheet: For paper loaded in the sheet feeder at the top of the printer
   - Roll: For roll paper loaded in the roll paper feeder on the back of the printer (see page 43)
   - Manual - Roll: For paper loaded in the single sheet guide
   - Manual - Front: For poster and matte boards loaded in the front path (see page 24)
7. Select the type of paper you loaded as the Type setting. See page 41 for details.

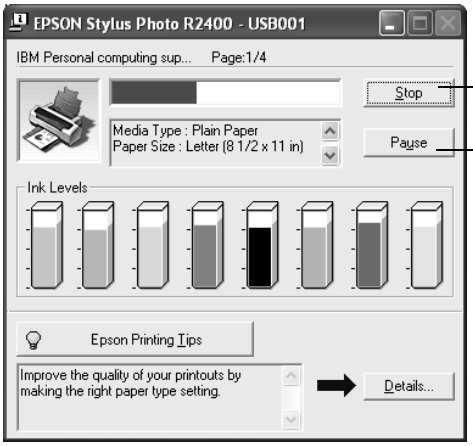
   Note: The media types listed will vary depending upon the type of black ink cartridge currently installed. See page 70 for details.

   Note: For printing photos without borders on certain paper types, click the Borderless checkbox. See page 49 for details.
8. Select the size of paper you loaded as the Size setting.
9. Select the direction you want your image or document to print as the Orientation setting. Select Portrait for vertical orientation or Landscape for horizontal.
10. Select any other options you want to use in the Print Options box:
    - PhotoEnhance™: Improves the contrast, saturation, and color balance of low-resolution photos (affects only your printout)
    - Reverse Order: Prints multiple page documents last-page-first so you don't need to reorder the pages
    - Print Preview: Displays a preview of your printed image or document before printing so you can check it for position on the page

Note: For more information about printer settings, click the **?** or **Help** button. For additional print settings, click the **Advanced** button at the bottom of the screen and see page 31 for details.

11. Click **OK**. You return to the Print window.
12. Click **OK** or **Print** to start printing.

During printing, this window appears. Use it to cancel, pause, or resume printing and see how much ink you have left.



Caution: Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

Selecting the Settings You Use Most Often

Your printer settings apply only to the program you're currently using. If you want, you can change the Windows default printer settings for all your programs.

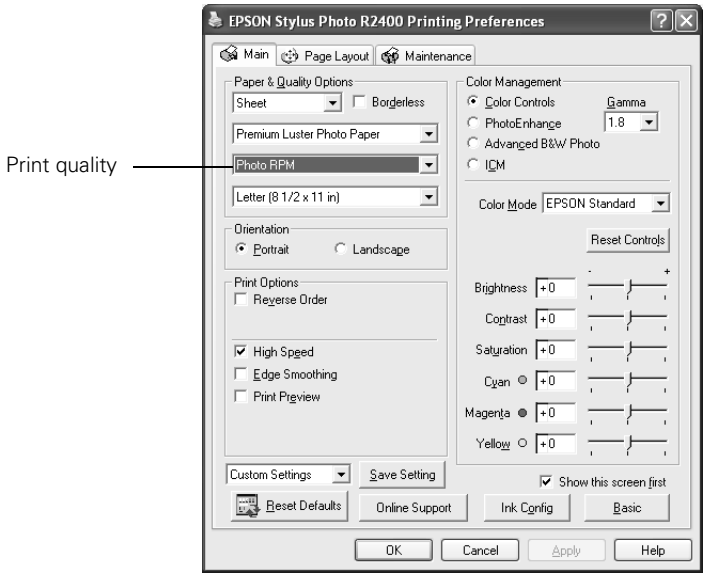
1. Right-click the printer icon in the lower right corner of your screen.
2. Select **Printer Settings**. You see the window shown on page 28.
3. Select the default settings you want for all your applications, then click **OK**.

You can still change the printer settings in individual programs, if necessary.

Customizing Your Windows Print Settings

Follow these steps to print a document or image using advanced printer settings:

1. On the Main tab, click the Advanced button in the bottom right corner.
2. Click Continue. The Basic settings change to the Advanced settings:



Note: If you want to use the Advanced screen each time you access your printer settings, select the Show this screen first checkbox.

3. The Advanced settings include the same options as the Basic settings, plus these:

   - Print quality: Lets you specify a print quality for your selected paper type, including Photo RPM® for the highest print quality (5760 × 1440 dpi) on certain paper types. (Printing takes longer in this mode.)
   - High Speed: Speeds up printing by allowing printing back and forth across the page, instead of in just one direction. (Print quality may decrease.)
   - Edge Smoothing: Prints smoother edges on low-resolution images, such as bars in a graph.
   - Color Controls: Lets you adjust the Brightness, Contrast, Saturation, and cyan, magenta, and yellow levels in your printout.

- Advanced B&W Photo: Lets you access Color Toning, Toning, and other image adjustments when printing black and white images. Choose a preset Color Toning with the menu or create a custom setting by clicking Settings. See "Advanced Black & White Photo Printing" on page 73 for more details.

Note: The availability of the Advanced B&W Photo setting depends on the ink cartridge installed (Photo Black or Matte Black), the Paper Type setting, and the print quality setting.

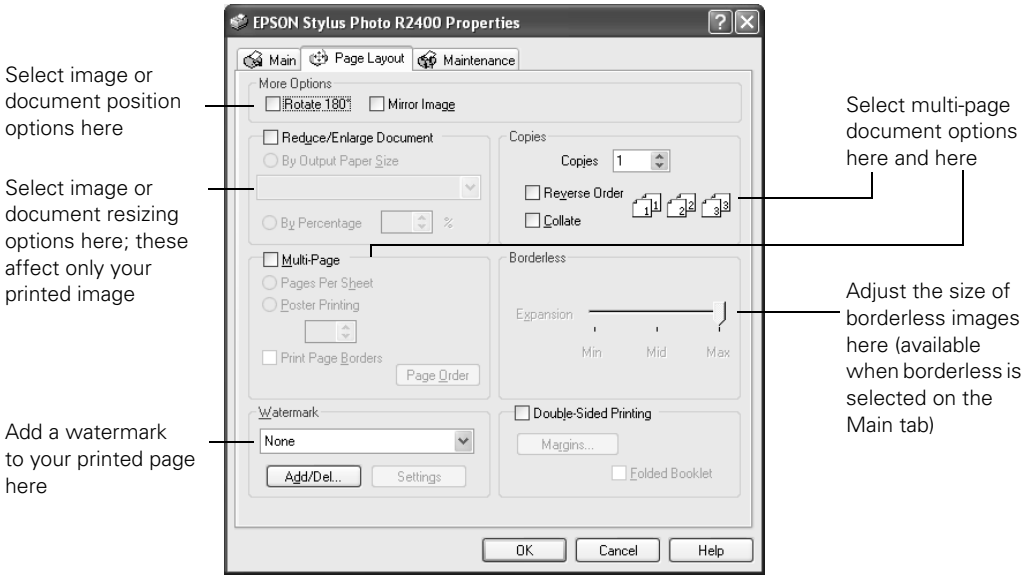
- ICM: Uses standard color profiles for your printer to help match colors in your image. If you're using custom or Epson Premium ICC profiles in a program such as Photoshop, select ICM then click Off (No Color Adjustment).

  Caution: Incorrectly applying this function or using it in an incomplete color management workflow may result in excessively light or dark prints.

  Note: To print with custom or Premium ICC color profiles using Photoshop, see "Managing Color With Profiles" on page 53.

4. Once you've finished selecting advanced settings, you can:
   - Click OK to save your settings, return to the Print dialog box, and print.
   - Click the Basic button to return to the Basic settings.
   - Click the Page Layout tab and continue with step 5 to select layout options.

5. Select the following page layout settings as necessary:



Note: For more information on printer settings, or instructions on saving them as a group so you can reuse them later, click the **Help** or **?** button.

6. Click **OK** to save your settings, return to the Print dialog box, and print.

Basic Printing With Mac OS X

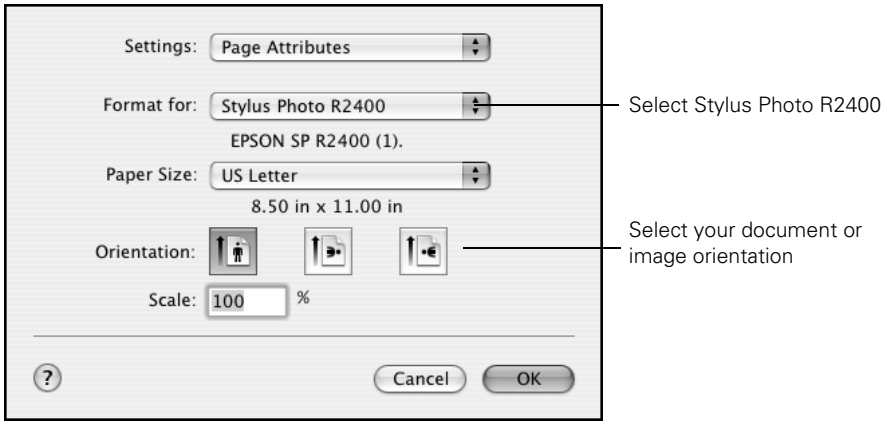
Follow the steps below to print a document or image using the basic printer settings.

For roll paper printing, see page 43. For borderless printing, see page 49.

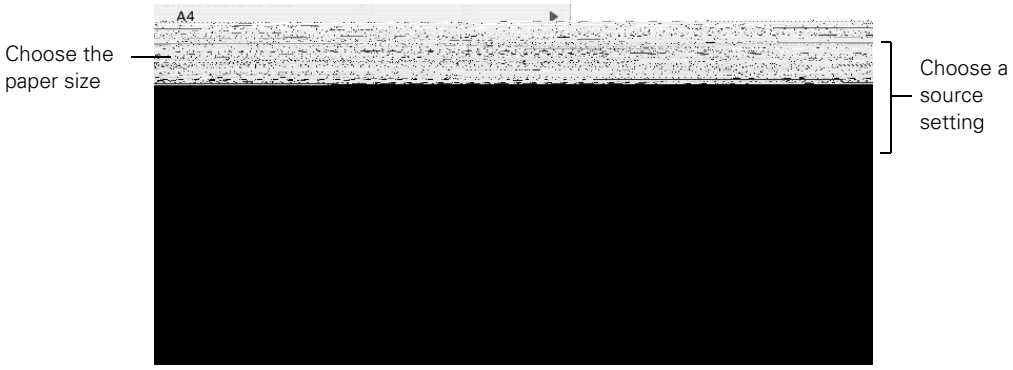
Make sure you added your printer in the Printer Setup Utility or Print Center, as described on the *Start Here* sheet.

1. From the File menu, select **Page Setup**.

2. Open the Format for menu and select your printer.



3. Open the Paper Size menu and select the size of the paper you loaded. Then select the source setting from the submenu for that size.



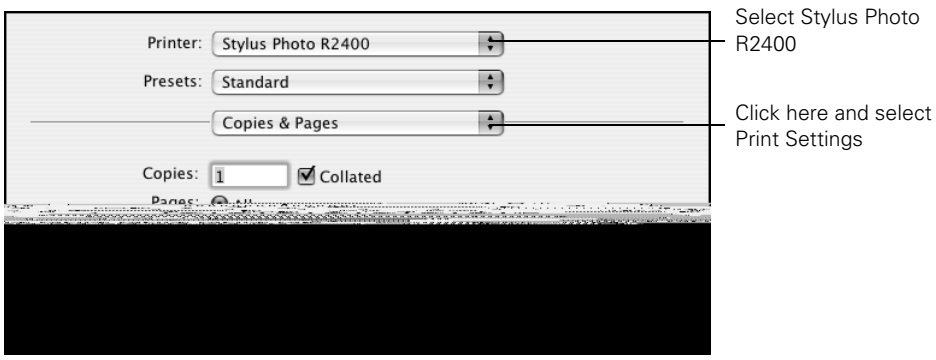
- For prints on paper loaded in the sheet feeder with borders around the image, select just a paper size in the menu or submenu.
- For borderless prints on paper loaded in the sheet feeder, select a size with Sheet Feeder - Borderless as the source.
- For prints with borders around the image on paper loaded in the single sheet guide, select a size with Manual - Roll as the source.
- For borderless prints on paper loaded in the single sheet guide, select a size with Manual - Roll(Borderless) as the source.

- For prints made on thick media loaded into the front path, choose Manual - Front as the source.

For roll paper printing instructions, see page 43. For details on borderless printing, see page 49.

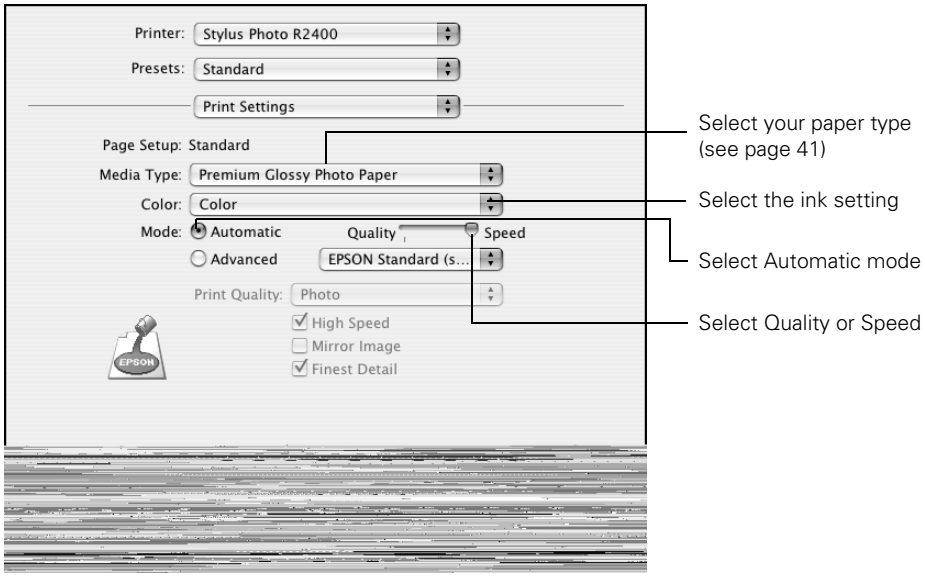
Caution: When printing non-borderless print jobs using a custom paper size, make sure the selected size matches the paper you loaded and is within the printable area for your printer. For example, never choose a paper size wider than your printer's sheet feeder or longer than your paper length. The maximum width for custom paper sizes is 12.95 inches.

4. Select the direction you want your image or document to print as the Orientation setting. Select for vertical orientation, for horizontal facing left, or for horizontal facing right.
5. Click OK.
6. Select Print from the File menu. You see a screen like this:



7. Open the Printer menu and select Stylus Photo R2400.

8. Select Print Settings from the pop-up menu. You see your basic print settings:



9. Select the type of paper you loaded as the Media Type setting; see page 41.

   Note: If you can't choose your paper type, check your Page Setup settings to make sure you selected the correct paper size and source; see page 34, or that you have the correct black ink cartridge installed; see page 70.

10. For the color setting, select Color (for color documents and black and white photographs), Advanced B&W Photo (for accessing Color Toning and other image adjustments when printing black and white photographs; see page 73), or Black (for black text documents).

    Note: The availability of the Advanced B&W Photo setting depends on the ink cartridge installed (Photo Black or Matte Black), the Media Type setting, and the print quality setting.

11. Select Automatic as the Mode setting for the best results printing basic documents or images. (For instructions on using Advanced mode, see page 39.)

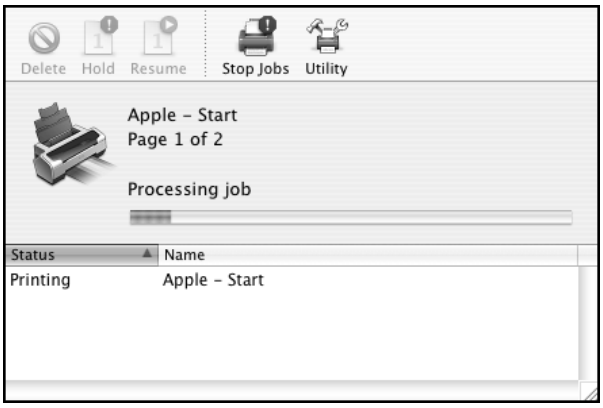
12. If available, move the slider to the Quality setting to print images or documents using higher print quality, or to the Speed setting for faster printing.

    Note: For more information about printer settings, click ?.

13. You can also choose these options in the pop-up menu:
    - Copies & Pages, to select the number of copies or a page range
    - Layout, to select page layout options
    - Output Options, to save your print job as a PDF file
    - Scheduler, to specify a time for a document to print
    - Paper Handling, to reverse page order and set other page options
    - ColorSync, to select Quartz® filters through ColorSync®
    - Color Management, to select ColorSync, adjust the color controls, change the gamma setting, or turn off color adjustments by the printer software (see page 40 for color management details)
    - Expansion (if you selected a Borderless option as the paper size/source setting), adjusts the image size to remove borders completely
    - Extension Setting, select Thick paper to correct ink smearing when printing on thick paper
    - Summary, to view a list of all your selections
14. Click Print.

Caution: Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

15. To monitor the progress of your print job, click your printer's icon or the Print Center icon when it appears in the dock. Then double-click Stylus Photo R2400. You see this screen:

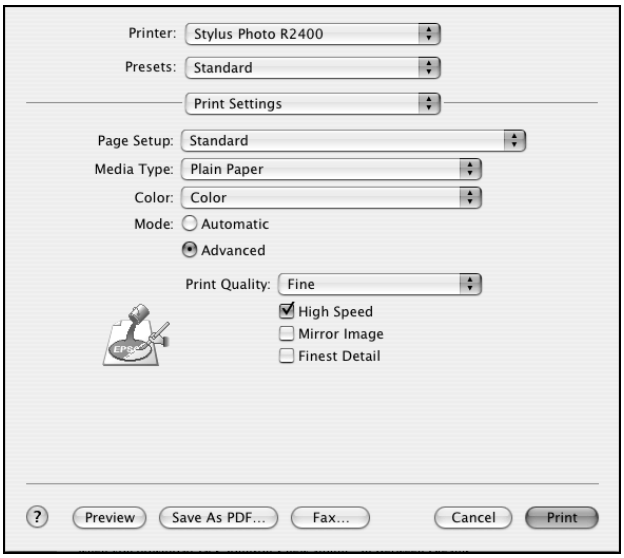


16. Monitor the progress of your print job or do one of the following:
    - Click the print job, then click Delete to delete the job
    - Click the print job, then click Hold to pause printing
    - Click a print job marked "Hold" and click Resume to resume printing
    - If multiple print jobs are listed, click a print job, then click the Priority arrow as necessary to reorder the jobs
17. When you're finished, close your printer's status window (OS X 10.3 through 10.4) or Print Center (OS X 10.2).

Customizing Your Macintosh Print Settings

Follow these steps to print a document or image using advanced printer settings:

1. From the File menu, select Print.
2. Select Print Settings from the pop-up menu.
3. To access advanced settings, click Advanced.



4. In addition to the basic settings, you can select these advanced options:
   - Print Quality: Lets you specify a print quality for your selected paper type, including Photo RPM for the highest print quality (5760 × 1440 dpi) on certain paper types. (Printing takes longer in this mode.)
   - High Speed: Speeds up printing by allowing printing back and forth across the page, instead of in just one direction. (Print quality may decrease.)
   - Mirror Image: Inverts the image horizontally.
   - Finest Detail: Places ink droplets in the most precise manner for high quality printing. (Printing takes longer in this mode.)

   Note: For more information on printer settings, click ?

5. To select Color Management options, select Color Management from the pop-up menu. Select Color Management options as follows:

   - Color Controls: Lets you adjust the Brightness, Contrast, Saturation, Gamma, and cyan, magenta, and yellow levels in your printout. (Click the Advanced Settings arrow to access these adjustments.)
   - ColorSync: Uses standard ColorSync profiles for your printer to help match colors in your image. If you're using custom or Epson Premium ICC profiles in a program such as Photoshop, select Off (No Color Adjustment) instead.
   - Off (No Color Adjustment): Turns off your printer's color management features so you can use profiles in an application such as Adobe Photoshop instead.

     Caution: Incorrectly applying this function or using it in an incomplete color management workflow may result in excessively light or dark prints.

     Note: To print with custom or Premium ICC color profiles using Photoshop, see "Managing Color With Profiles" on page 53.

6. Click Print.

Selecting the Correct Paper Type

Select the correct Type or Media Type setting so your printer knows what kind of paper you're using and adjusts the ink coverage accordingly. Certain paper types may be unavailable depending on which black ink cartridge is installed. See "Matching Black Ink to Paper Type" on page 69.

Paper loaded	Type or Media Type setting
Plain paper sheets Epson Premium Bright White Paper	Plain Paper
Epson Photo Quality Ink Jet Paper Epson Photo Quality Self Adhesive Sheets	Photo Quality Ink Jet Paper
Epson Enhanced Matte Paper	Enhanced Matte Paper
Epson Matte Paper Heavyweight PremierArt Matte Scrapbook Photo Paper for Epson	Matte Paper - Heavyweight
Epson Double-Sided Matte Paper	Double-Sided Matte Paper
Epson Premium Glossy Photo Paper	Premium Glossy Photo Paper
Epson Premium Luster Photo Paper PremierArt Water Resistant Canvas	Premium Luster Photo Paper
Epson Premium Semigloss Photo Paper	Premium Semigloss Photo Paper
Epson Watercolor Paper - Radiant White	Watercolor Paper - Radiant White
Epson UltraSmooth Fine Art Paper (325)	UltraSmooth Fine Art Paper
Epson Velvet Fine Art Paper	Velvet Fine Art Paper

Printing Special Photos

When you need to print photos using the special Stylus Photo R2400 printing features, follow the instructions in these sections:

- "Printing on Roll Paper" below
- "Printing Borderless Cut Sheets" on page 49
- "Managing Color With Profiles" on page 53
- "Easy Printing With Photoshop Elements 3.0" on page 67
- "Matching Black Ink to Paper Type" on page 69
- "Advanced Black & White Photo Printing" on page 73

Printing on Roll Paper

Before you print on roll paper, load roll paper as described on page 20.

Then follow the steps in the next sections to select your roll paper settings, control printing, and remove and store roll paper.

> **Caution:** Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

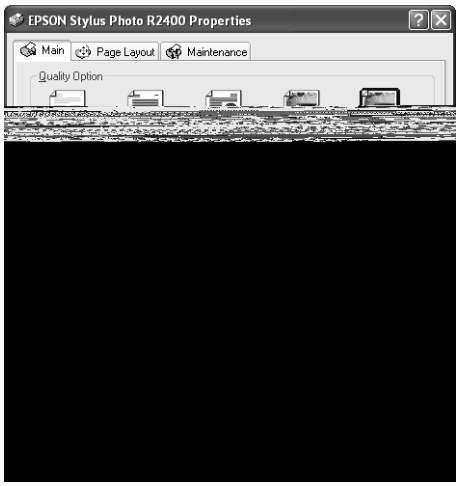
Selecting Roll Paper Print Settings

Follow the steps in one of these sections to select your roll paper print settings:

- "Windows" below
- "Mac OS X" on page 45

Windows

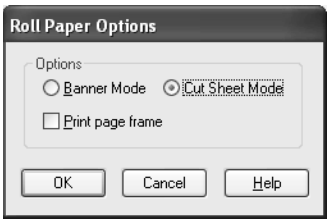
1. Start your print application, open your photo file, and resize it as necessary.
2. Open the File menu, click Print, then click Properties or Preferences.
3. Select the type of roll paper you loaded as the Type setting:
   - Premium Semigloss Photo Paper
   - Premium Luster Photo Paper
   - Premium Glossy Photo Paper
4. If you'll be printing photos without any borders, click the Borderless box.
5. Select the photo size as the Size setting.



If you're printing a panoramic photo, select User Defined from the Size list and enter the size of your photo. Make sure the width of your photo is 4, 8.3, or 12.95 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to 0 in your printing software.

Note: Don't select PhotoEnhance when printing on roll paper. For the Source setting, don't choose Sheet or Manual - Roll.

6. Choose Roll as the Source setting. The Roll Paper Options dialog box pops up:



7. Select the roll paper settings, including whether to print a page frame, based on the type of printing you're doing, then click OK:

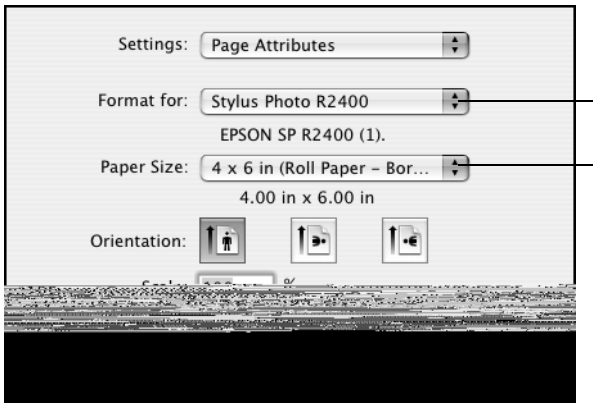
Type of printing	Roll Paper Options
Borderless photos	Cut Sheet Mode or Banner Mode
Photos with borders or panoramics	Cut Sheet Mode

8. Click OK.
9. Click OK or Print.

Follow the steps on page 47 to remove your printed photos.

Mac OS X

1. Start your print application, open your photo file, and resize it as necessary.
2. From the File menu, select Page Setup.
3. Open the Format for menu and select your printer:

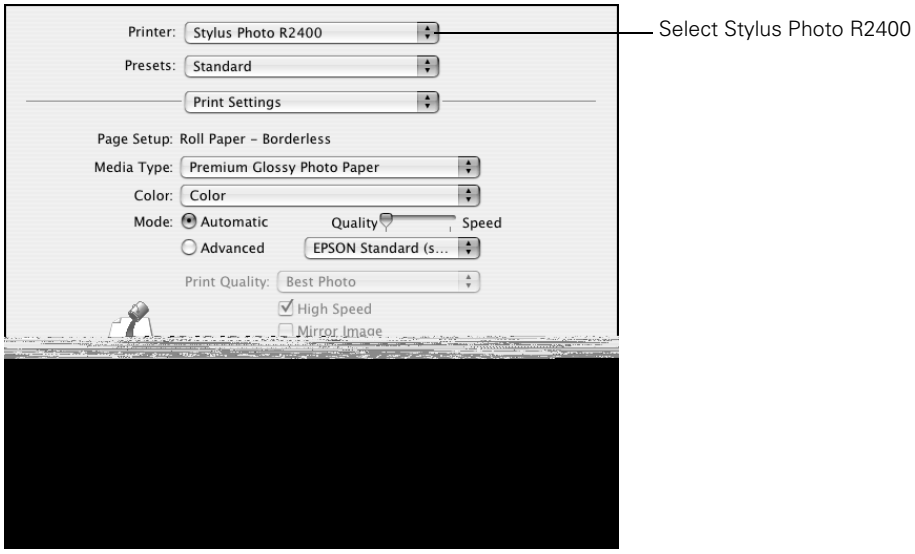


4. Open the Paper Size menu and select your photo size. Then select a Roll Paper or Roll Paper - Borderless setting from the submenu for that size.

   To print without a border between photos, choose a Roll Paper - Borderless Banner setting for your photo size.

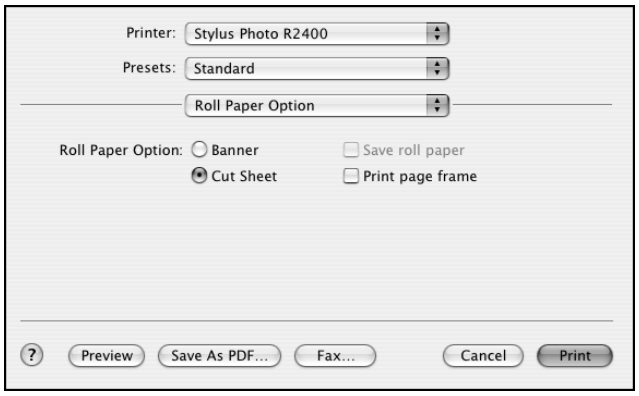
   Make sure the width of your photo is 4, 8.3, or 13 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to 0 in your printing software.

5. Click OK.
6. Select Print from the File menu.
7. Open the Printer menu and select Stylus Photo R2400.
8. Select Print Settings from the pop-up menu.



9. Select the type of roll paper you loaded as the Media Type setting:
   - Premium Semigloss Photo Paper
   - Premium Luster Photo Paper
   - Premium Glossy Photo Paper
10. Move the slider to the Quality setting (if available).

11. Choose Roll Paper Option from the pop-up menu.



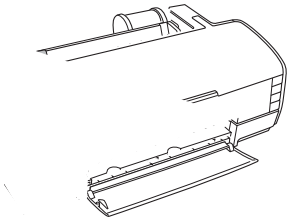
12. Select the roll paper settings, including whether to include a page frame, based on the type of printing you're doing.

Type of printing	Roll Paper Options
Borderless photos	Cut Sheet Mode or Banner Mode
Photos with borders or panoramics	Cut Sheet Mode

13. Click Print.
14. Follow the steps below to remove your printed photos.

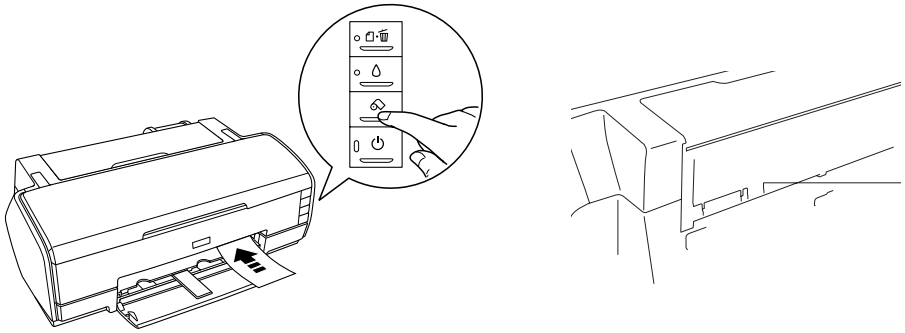
Removing Your Printed Photos

1. Press the ◇ roll paper button once to feed the paper forward.
2. Cut the paper on the printed cutting line.
3. If you want to print another job on roll paper, press the ◇ roll paper button once again; the paper returns to the correct print position.
4. Follow the steps in the next section if you're finished printing on roll paper.



Removing and Storing Roll Paper

1. Press the roll paper button for three seconds. The paper feeds backwards out of the printer. (If it doesn't feed all the way out, repeat this step.)



2. Turn the knobs to roll the rest of the paper onto the holder. Then press the paper button to turn off the paper light.
3. Pull the roll paper holder off of the printer and remove the roll paper from it.

Return the unused roll to its original package. Store your printouts in resealable plastic bags, photo albums, or glass-covered picture frames. Keep both printed and unused roll paper away from high temperatures, humidity, and direct sunlight.

Printing Borderless Cut Sheets

You can print your photos with no margins, extending the image all the way to the edges of the page. Although borderless printing is a bit slower, you get beautiful portraits and enlargements, without trimming, on these papers:

- Epson Premium Glossy Photo Paper
- Epson Matte Paper Heavyweight*
- Epson Enhanced Matte Paper*
- Epson Double-Sided Matte Paper *
- Epson Premium Luster Photo Paper
- Epson Premium Semigloss Photo Paper
- Epson Watercolor Paper - Radiant White**
- Epson Velvet Fine Art Paper**
- Epson UltraSmooth Fine Art Paper**
- PremierArt Matte Scrapbook Photo Paper for Epson**

* If you are loading multiple sheets of matte paper that are larger than letter-size, use the matte sheet support. See page 15.

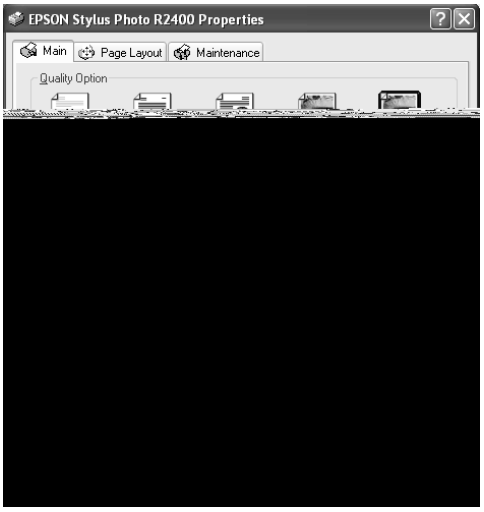
** These papers must be loaded in the single sheet guide. See page 16.

Caution: Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

Follow the steps in one of these sections to print BorderFree photos on cut sheet paper:

- "Windows" below
- "Mac OS X" on page 51

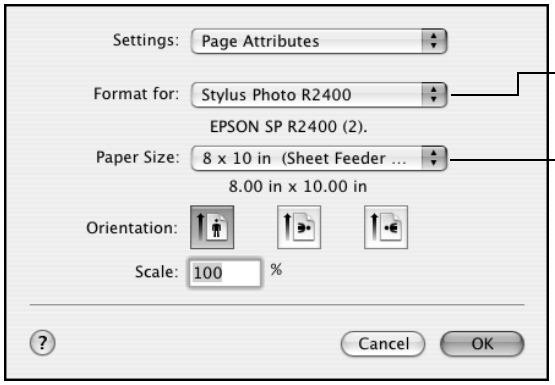
Windows



1. Start your print application and open your photo file.
2. Open the File menu, click Print, then click Properties or Preferences.
3. Select Photo or Best Photo as the Quality Option.
4. Choose Sheet as the Source setting.
5. Select the type of paper you loaded as the Type setting. See page 41 for details.
6. Click the Borderless checkbox.
7. Select your paper size as the Size setting.
8. Select Portrait or Landscape as the orientation setting.
9. Click the Page Layout tab, then adjust the Expansion setting. Choose Min for the least amount of image expansion (with a chance that there may be small borders around the edges) or Max for the greatest amount of expansion (some of the image will be cut off around the edges, but it will extend to the edge of the paper).
10. Click OK.
11. Click OK or Print.

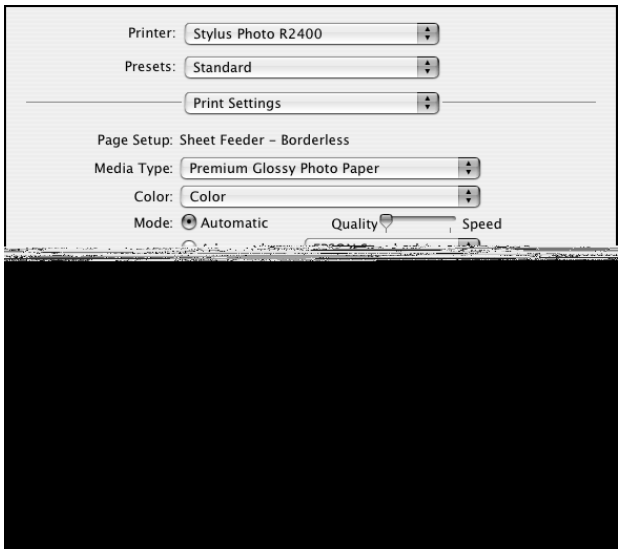
Mac OS X

1. Start your print application and open your photo file.
2. From the File menu, select Page Setup.
3. Open the Format menu and select your printer.



4. Open the Paper Size menu and select the paper size for the paper you loaded. Then select a Sheet Feeder - Borderless setting from the submenu.
5. Select one of the portrait or landscape orientation icons as the Orientation setting.
6. Click OK.
7. Select Print from the File menu.
8. Open the Printer menu and select Stylus Photo R2400.

9. Select Print Settings from the pop-up menu.



10. Select the type of paper you loaded as the Media Type setting. See page 41 for details.

    Note: If you can't choose your paper type, check the Paper Size settings on the Page Setup window to make sure you selected the correct paper size and source, or that you have the correct black ink cartridge installed (see page 70 for information).

11. Move the slider to the Quality setting.
12. Choose Expansion from the pop-up menu, then adjust the Expansion setting. Choose Min for the least amount of image expansion (with a chance that there may be small borders around the edges) or Max for the greatest amount of expansion (some of the image will be cut off around the edges, but it will extend to the edge of the paper).
13. Click Print.

Managing Color With Profiles

Follow the steps in this section to use color profiles for printing with Adobe Photoshop (the instructions cover Photoshop 7, CS, and CS2).

Carefully follow the instructions in these sections for the best results:

- "Printing With a Color Profile" below
- "Solving Color Management Problems" on page 62
- "Printing a Custom Profile Test Target" on page 62
- "Creating a Custom Profile" on page 66

Printing With a Color Profile

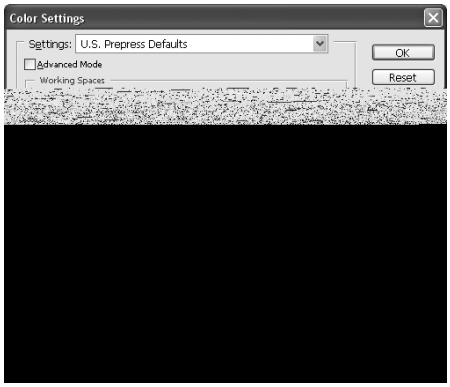
To print an image using a profile, follow the steps in one of these sections.

- "Windows" below
- "Mac OS X" on page 58

Windows

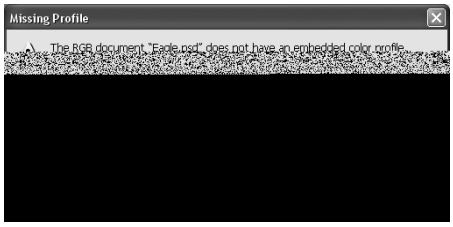
Opening Your Image

1. Open Adobe Photoshop.
2. Select Color Settings from the Edit menu.
3. Select U.S. Prepress Defaults from the Settings pull-down menu. This sets Adobe RGB (1998) as the RGB working space and activates warning messages for profile mismatches and missing profiles. Click OK.
4. Open the photo you want to print.



5. If you see the message shown below, select Use the embedded profile (instead of the working space) and click OK. It is generally best to use the embedded profile.

6. If you see the message shown below, select Assign working RGB: Adobe RGB (1998) and click OK.



7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select Image > Mode > Assign Profile. Select one of the following as the Profile setting:

   - A different RGB working space, such as ColorMatch RGB or sRGB IEC61966-2.1
   - A scanner profile for your scanner
   - A camera profile for your digital camera

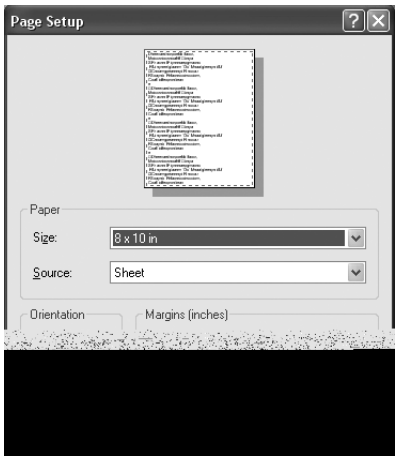
   Also click the Preview box so you can see the effects of your profile choice on the screen.

   Note: Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

Selecting Your Print Settings

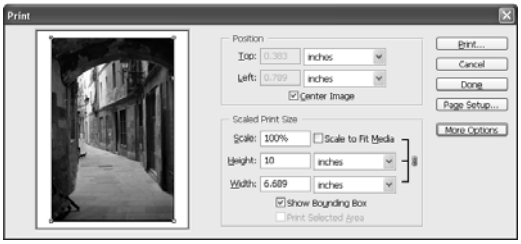
1. Select File > Page Setup.
2. Click the Printer button. You see this window:

3. Make sure your printer is selected, then click OK.
4. Select the size of your paper as the Size setting.

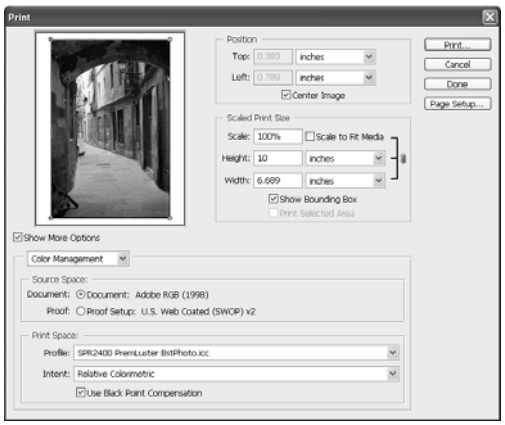


5. Select the orientation of your image.
6. Click OK.

7. Select **File > Print with Preview**. If you see this window, click **More Options**.



8. Select **Color Management** from the pull-down menu:



Photoshop 7, CS

Photoshop CS2

9. Under Options: Color Handling, select **Let Photoshop Determine Colors**.
10. Under Options: Printer Profile, select a profile for your printer and the paper you'll use for the print.

    Note: The Epson Premium ICC profiles can be identified with the suffix ".icc," for example, "SPR2400 PremLuster BstPhoto.icc." You should match ICC profiles with the Print Quality setting you plan to use.

11. Under Options: Rendering Intent, select **Relative Colorimetric**.

    Note: If your image contains very saturated colors, select **Perceptual** instead. This reduces the color saturation so that the colors fit within the printer's color gamut.

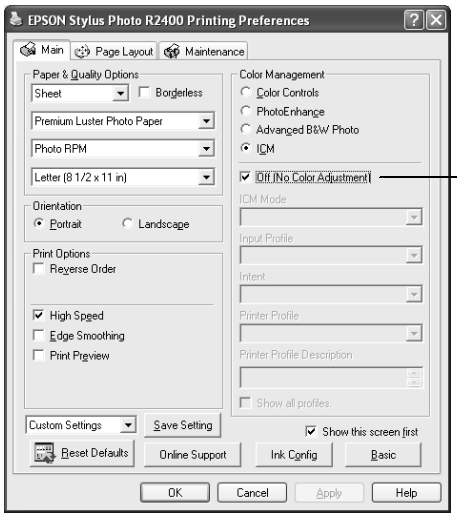
12. Select the Use Black Point Compensation checkbox.

Printing Your Color-Managed Photo

1. Click the Print button.
2. Make sure your printer is selected and click the Properties button.
3. Select the Best Photo or PhotoRPM setting as the Quality Option. (If you are using an Epson Premium ICC profile, set the Print Quality setting to match your profile.)
4. Select the Type setting for the paper you'll use for the print.

   Note: For printouts on Epson PremierArt Water Resistant Canvas, select Premium Luster Photo Paper for the paper type setting. Additionally, ensure the Photo Black ink cartridge is installed - see "Matching Black Ink to Paper Type" on page 69.

5. Click the Advanced button.
6. Turn *off* the High Speed and Edge Smoothing settings, if they are available.
7. Click the ICM button under Color Management.



8. Click the Off (No Color Adjustment) button.

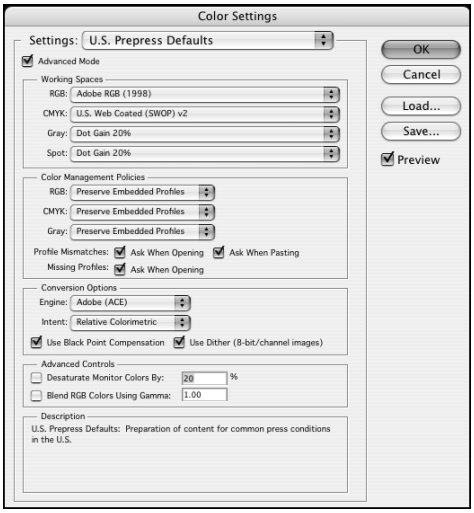
   Note: Make sure that you select Off (No Color Adjustment). If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.

9. Click OK.
10. Click OK to print your photo.

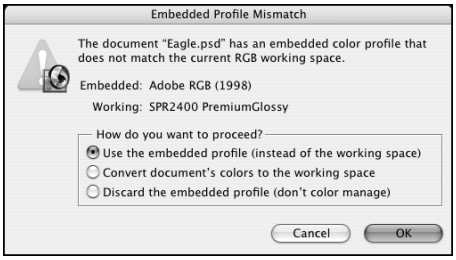
Mac OS X

Opening Your Image

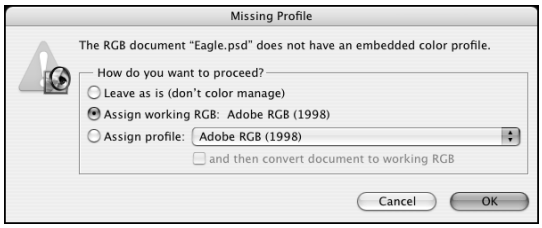
1. Open Adobe Photoshop.
2. Select Color Settings from the Photoshop menu.
3. Select U.S. Prepress Defaults from the Settings pull-down menu. This sets Adobe RGB (1998) as the RGB working space and activates warning messages for profile mismatches and missing profiles. Click OK.



4. Open the photo you want to print.
5. If you see the message shown below, select Use the embedded profile (instead of the working space) and click OK. It is generally best to use the embedded profile.



6. If you see the message shown below, select Assign working RGB: Adobe RGB (1998) and click OK.



7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select Image > Mode > Assign Profile. Select one of the following as the Profile setting:

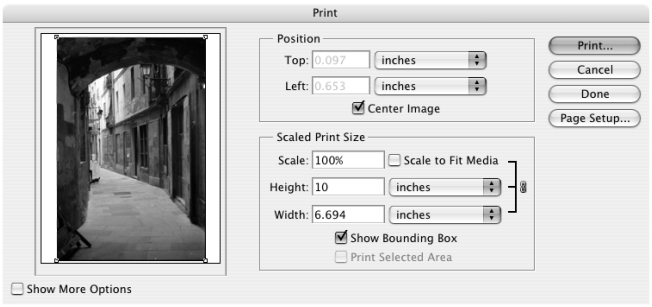
   - A different RGB working space, such as ColorMatch RGB or sRGB IEC61966-2.1
   - A scanner profile for your scanner
   - A camera profile for your digital camera

   Also click the Preview box so you can see the effects of your profile choice on the screen.

   Note: Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

Selecting Your Print Settings

1. Select File > Print with Preview. If you see this window, click Show Options.
2. Click the Page Setup button to change the page size and orientation settings as necessary, then click OK.



3. Click Color Management from the pop-up menu:

Photoshop 7, CS

Photoshop CS2

4. Under Options: Color Handling, select Let Photoshop Determine Colors.
5. Under Options: Printer Profile, select a profile for your printer and the paper you'll use for the print.

   Note: The Epson Premium ICC profiles can be identified with the suffix ".icc," for example, "SPR2400 PremLuster BstPhoto.icc." You should match ICC profiles with the Print Quality setting you plan to use.

6. Under Options: Rendering Intent, select Relative Colorimetric.

   Note: If your image contains very saturated colors, select Perceptual instead. This reduces the color saturation so that the colors fit within the printer's color gamut.

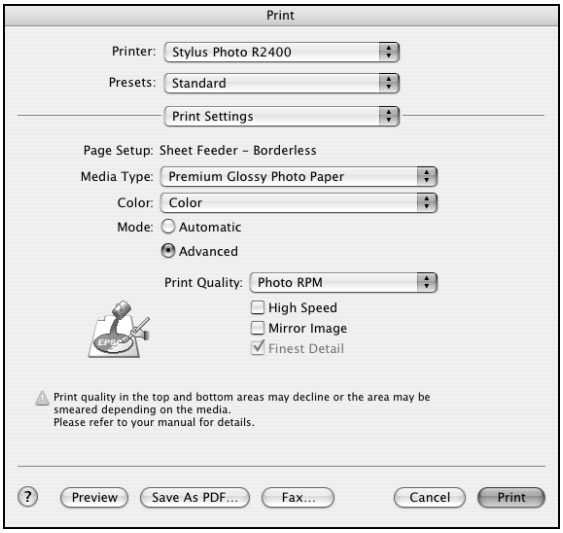
7. Select the Use Black Point Compensation checkbox.

Printing Your Color-Managed Photo

1. Click the Print button.
2. Select Stylus Photo R2400 from the Printer menu.
3. Select Print Settings from the pop-up menu.
4. Select the Media Type setting for the paper you'll use for the print.

Note: For printouts on Epson PremierArt Water Resistant Canvas, select Premium Luster Photo Paper for the paper type setting. Additionally, ensure the Photo Black ink cartridge is installed - see "Matching Black Ink to Paper Type" on page 69.

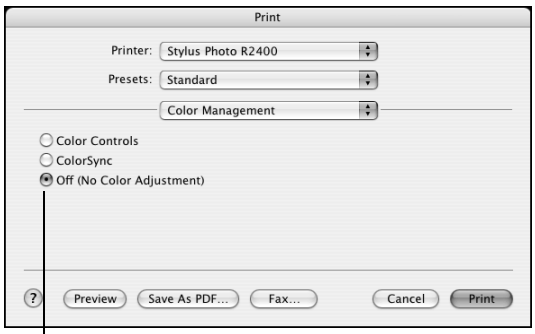
5. Click the Advanced button.
6. If you are using an Epson Premium ICC profile, set the Print Quality setting to match your profile.
7. Turn *off* the High Speed setting.



8. Select Color Management from the pop-up menu.
9. Select Off (No Color Adjustment).

   Note: Make sure that you select Off (No Color Adjustment). If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.

10. Click Print to print your photo.



IMPORTANT!
Select Off (No Color Adjustment)

Solving Color Management Problems

If you selected the wrong combination of source profile, printer profile, and color management settings, you'll get unexpected results. Try these solutions:

- If your printed image is darker than expected and/or has a strong yellow-brown cast, you probably turned off color management in both Photoshop and the Epson printer driver.

  Return to the Print with Preview instructions for Adobe Photoshop on page 59 (for Mac OS X) or page 55 (for Windows). Make sure the Source Space - Document option is *not* set to Untagged RGB. Also make sure you selected the correct profile for your printer in the Print Space - Profile menu.

- If your printed image is lighter than expected and/or has a strong light blue cast, you probably turned on color management in both Photoshop and the Epson printer driver.

  Return to the instructions on page 61 (for Mac OS X) or page 57 (for Windows). Make sure to select Off (No Color Adjustment) in the printer driver Advanced screen or Color Management menu to turn off color management in your Epson printer driver.

Printing a Custom Profile Test Target

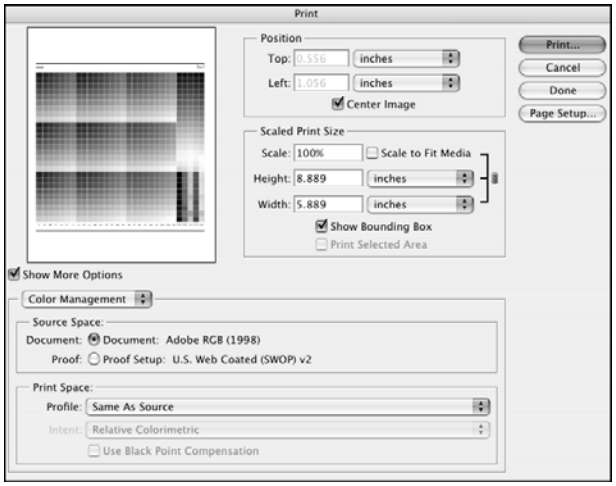
Follow the steps in this section to create and print individual custom profile test targets for each paper type you plan to print on.

When you're ready to print the test target, follow the steps for your operating system below.

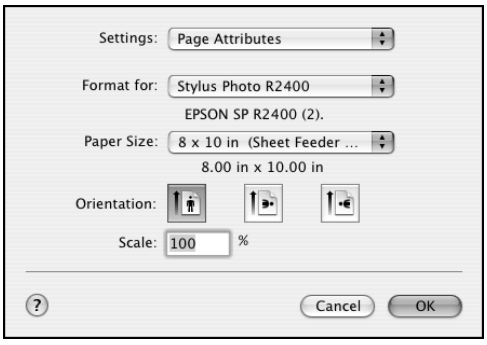
Mac OS X

1. Open Adobe Photoshop and open the profile target file provided by your profile-building software manufacturer.
2. If you see a missing profile screen, select Leave as is (don't color manage).
3. Select File > Print with Preview.
4. In the Print window, click Show More Options, then choose Color Management in the pop-up menu.

5. Select Same as Source as the Print Space: Profile setting.

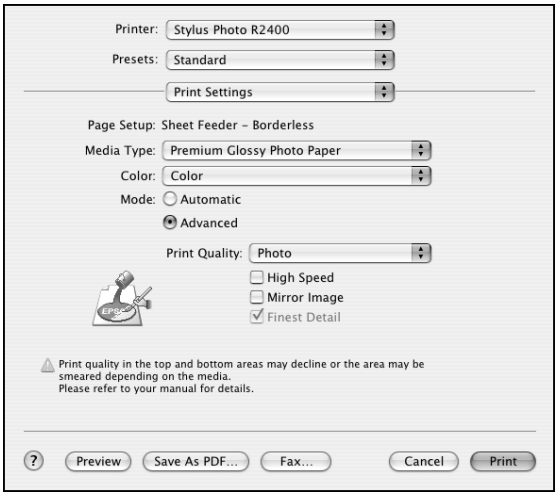


6. Click the Page Setup button. You see this window:



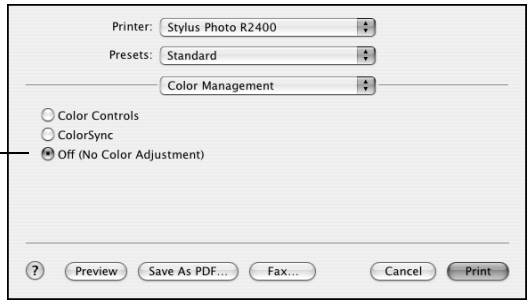
7. Select Stylus Photo R2400 from the Format for menu.
8. Select the appropriate Paper Size and Orientation settings, then click OK.
9. Click the Print button.
10. Select your printer from the Printer menu, then select Print Settings from the pop-up menu.

11. Select the Media Type setting for the profile you're printing.



12. Click the Advanced button.
13. Select your desired level as the Print Quality setting.
14. Turn *off* the High Speed setting.
15. Select Color Management from the pop-up menu.
16. Select Off (No Color Adjustment).

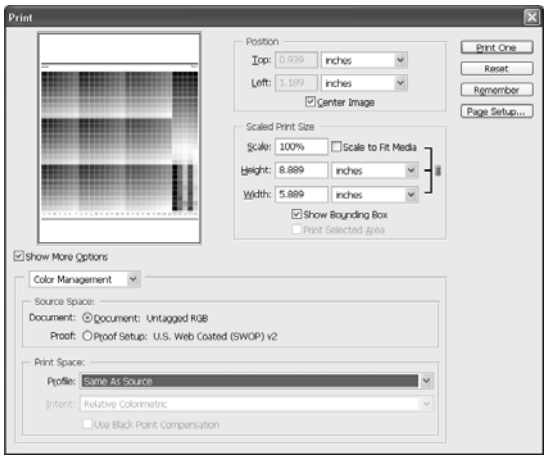
IMPORTANT!
Select Off (No Color Adjustment)



17. Click Print to print your test target.
18. Repeat these steps to print a test target for each paper type and Print Quality setting you plan to print with.

Windows

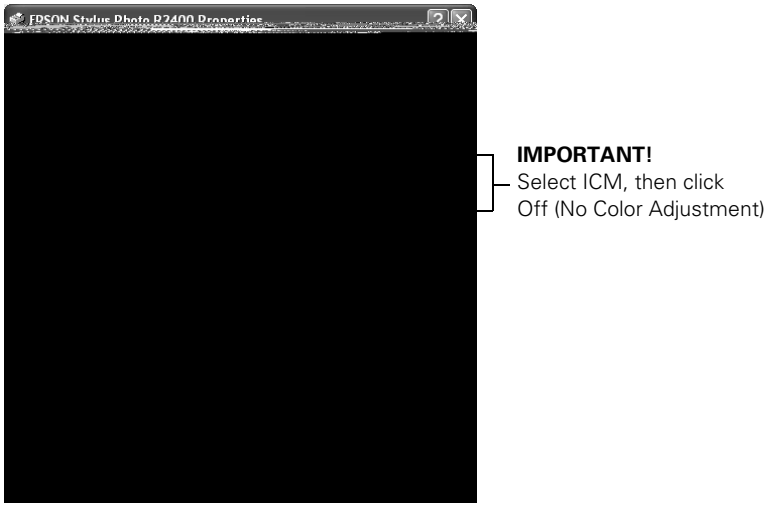
1. Open Adobe Photoshop and open the profile target file provided by your profile-building software manufacturer.
2. If you see a missing profile screen, select Leave as is (don't color manage).
3. Select File > Print with Preview.
4. In the Print window, click the Show More Options checkbox, then choose Color Management in the pull-down menu.
5. Select Same as Source as the Print Space: Profile setting.
6. Click the Print One button.
7. Click the Properties button.
8. Select your desired level as the Quality Option.



9. Select the Type setting for the profile you're printing.

10. Click the Advanced button.
11. Turn *off* the High Speed and Edge Smoothing settings, if they are available.

12. Click the ICM button under Color Management.
13. Click the Off (No Color Adjustment) button.



14. Click OK.
15. Click OK to print your test target.
16. Repeat these steps to print a test target for each paper type and Quality Option setting you plan to print with.

Creating a Custom Profile

If you're creating a custom profile for your printer, follow the instructions provided with your profile-building software (such as MonacoEZcolor™ by X-Rite® or GretagMacbeth® ProfileMaker) to create your custom profile using the test target you printed. Once you create the profile, be sure to place it in the correct folder on your computer, as recommended by Microsoft or Apple®.

Easy Printing With Photoshop Elements 3.0

If you are using Adobe Photoshop Elements 3.0 with Windows, you can take advantage of the Epson EasyPrint interface when you're ready to print. It lets you select your basic settings directly from the Print window, so you don't need to open the Properties or Preferences window to access the printer driver.

This one-stop printing feature also prevents conflicts between software and driver settings by making them both match.

Complete instructions for using Adobe Photoshop Elements 3.0 are provided in the *Getting Started Guide* installed with Photoshop Elements.

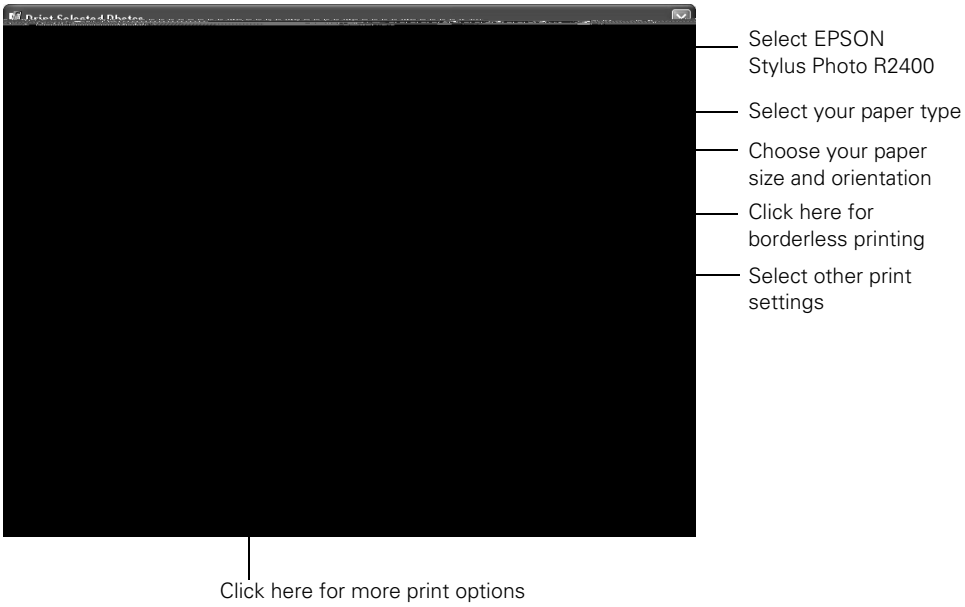
Follow these steps to open Elements and access the EasyPrint interface:

1. To start the program, double-click the Adobe Photoshop Elements 3.0 icon on your desktop.
2. Select View and Organize Photos. You see the Photo Browser workspace and Organizer at the top of the screen to indicate Organizer mode.
3. Select Get Photos from the File menu and choose an option such as From Files and Folders. Then select the folder containing your photo(s) and select the photo(s) you want to print.

   If you need to edit a photo, go to step 4. If you are ready to print, go to step 5.
4. To edit a photo, click the Edit button to enter Edit mode. Choose either Go To Quick Fix or Go To Standard Edit. When you finish editing and are ready to print, click Photo Browser to return to Organizer mode. Do not print from Editor mode.

   Note: If you print from Editor mode, you do not see the Epson EasyPrint interface and you must click Print > Print > Properties to access the printer driver settings.

5. Select Print from the File menu. You see the Epson EasyPrint interface:



6. Change your print settings as necessary.
7. Click Print to start printing.

Matching Black Ink to Paper Type

In order to generate the best output on a wide variety of paper types, your printer can use either the Matte Black (T059820) or Photo Black (T059120) ink cartridge. Only one can be installed in the printer at any time, but you can swap these cartridges depending on your paper type. Both are included with your printer.

Use the Matte Black ink cartridge for professional results with the following paper types:

- Photo Quality Ink Jet Paper
- Enhanced Matte Paper
- Matte Paper - Heavyweight
- Velvet Fine Art Paper
- Watercolor Paper - Radiant White
- UltraSmooth Fine Art Paper
- Double-Sided Matte Paper

> **Tip:** Although these media types are available when the Photo Black cartridge is installed, printing onto Matte type media with Photo Black will not yield professional or optimal results. The ability to print on matte media with Photo Black is for convenience only.

Use the Photo Black cartridge for professional results with the following paper types:

- Premium Glossy Photo Paper
- Premium Luster Photo Paper
- Premium Semigloss Photo Paper
- Proofing Paper Semimatte
- PremierArt Water Resistant Canvas

You cannot select these paper types when the Matte Black cartridge is installed.

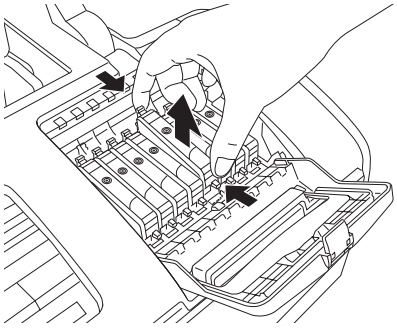
Swapping the Black Ink Cartridges

Be sure you have the other black cartridge handy before you begin. Once you start replacing a cartridge, you must complete all the steps in one session.

You can replace a cartridge whether the red ◊ ink light is off, flashing, or on.

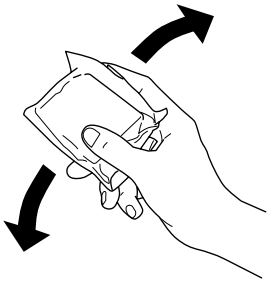
1. Make sure the printer is turned on (the green ⏻ power light should be on, but not flashing). Then open the printer cover.
2. Press the ◊ ink button.

   The print head moves and the green ⏻ power light flashes.
3. Lift up the cartridge cover.
4. Press in the tab on the back of the black cartridge, and lift it out of the printer as shown below. Store this cartridge in a sealable plastic bag for later use.



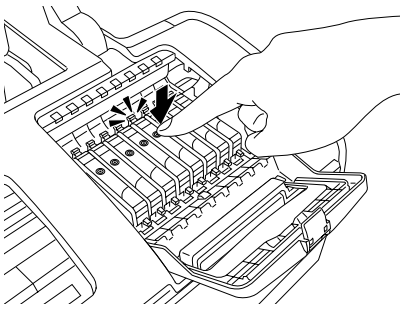
5. Shake the new cartridge four or five times before opening its package. (Don't shake it after it's unwrapped.)
6. Remove the new cartridge from its package.

   Caution: Don't touch the green circuit board on the front of the cartridge; you may inhibit normal operation and printing.



7. Slide the new cartridge into its slot. The side with the green circuit board goes in the front of the slot.

8. Press the cartridge down until it clicks into place.



9. Close the cartridge cover, press down on the top until it clicks, then close the printer cover.
10. Press the ◊ ink button. The printer begins charging the new cartridge.

    The green ⏻ power light and red ◊ ink lights flash and the printer makes noise. Charging takes about 90 seconds. When it's finished, the green ⏻ power light stops flashing and stays on. The red ◊ ink light and the light above the cartridge go out.

    Caution: Never turn off the printer while the green ⏻ power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

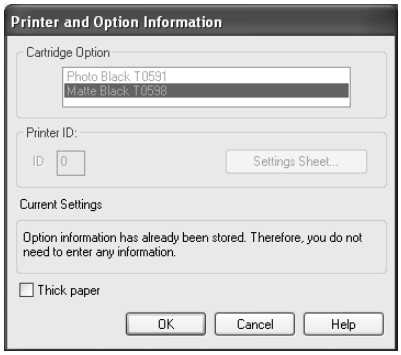
Confirming the Swapped Cartridge Settings

Once you've swapped the black ink cartridges, you need to confirm that the printer driver settings are correct for the new cartridge.

Windows

1. Right-click the Status Monitor. Choose Printer Settings from the pop-up menu.
2. Click the Maintenance tab, then click Printer and Option Information.

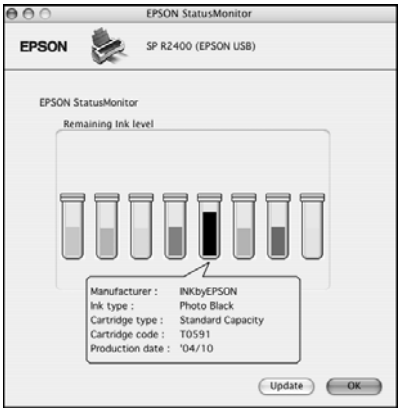
3. Verify the new black ink cartridge is selected. Click OK.



4. Click OK in the Optional Ink Cartridge Notification dialog box.
5. Click OK in the Properties window.

Macintosh

1. Close any printing programs you may have open.
2. Open the Printer Setup Utility (OS X 10.3 through 10.4) or Print Center (OS X 10.2).
3. Select Stylus Photo R2400 from the list and click the Utility button.
4. Click the EPSON Status Monitor button.
5. Click the black ink cartridge and verify the new cartridge type. Then click OK.



6. Close the EPSON Printer Utility window.

Advanced Black & White Photo Printing

The Advanced B&W (Black and White) Photo mode allows you to easily produce neutral and toned black-and-white prints using your Epson driver and offers an alternative black and white workflow. Advanced B&W Photo mode also provides settings for more advanced black and white controls. These controls can be applied to color image files without the need to save a separate grayscale version. This mode in only available when printing at specific Quality settings on the following media types:

- Premium Glossy Photo Paper
- Premium Luster Photo Paper
- Premium Semigloss Photo Paper
- Matte Paper-Heavyweight
- Watercolor Paper-Radiant White
- Enhanced Matte Paper
- Velvet Fine Art Paper
- UltraSmooth Fine Art Paper

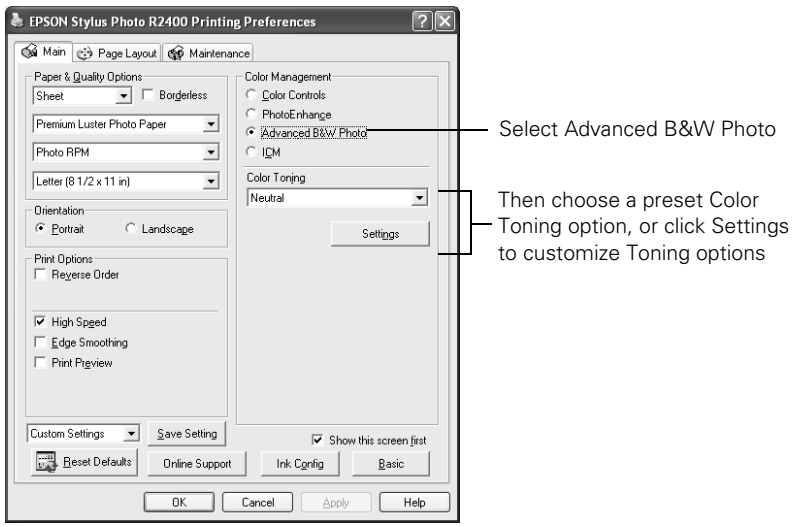
Follow the steps in one of these sections to use Advanced B&W Photo settings:

- "Windows" below
- "Mac OS X" on page 75

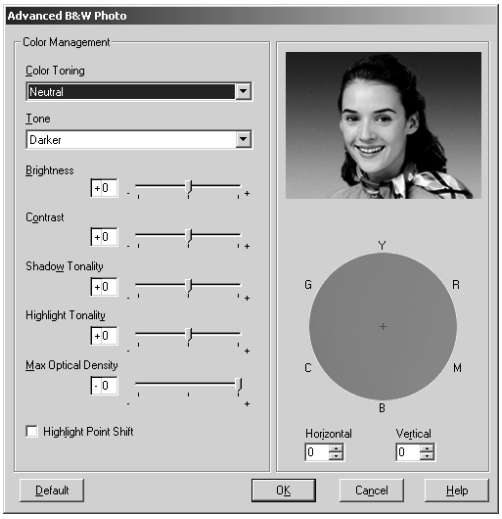
Windows

1. Start your printing application and open your photo file.
2. Open the File menu and click Print, then click Properties or Preferences.
3. Select the appropriate Source, Type, and Size for your printout.
4. Click the Advanced button, if necessary. The Basic settings change to the Advanced Settings.

5. Click **Advanced B&W Photo** in the Color Management section.



6. Select a Color Toning option from the menu, or click **Settings** to create a customized Toning option. If you click **Settings**, the following window appears:



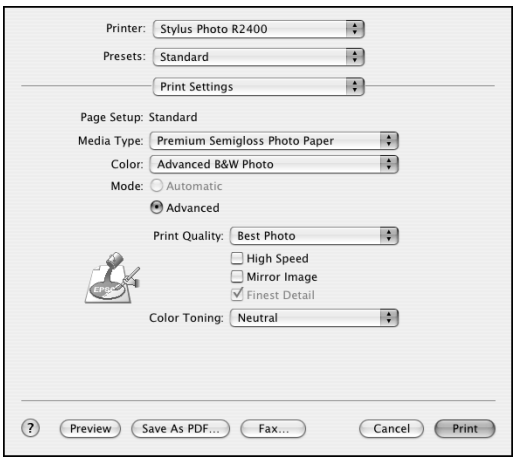
7. You can adjust the following settings:

   - Color Toning: Allows you to add tone (hue) to your black and white output. The default is Neutral, which will provide you with a neutral tonal scale print. You can also choose other popular presets such as Cool, Warm, and Sepia. Note that the presets will affect the target found in the Tone Color Circle.
   - Tone: Allows you to easily change the entire tonal scale of your black and white output.
   - Brightness: Adjusts the overall lightness and darkness of your image.
   - Contrast: Adjusts the difference between the light and dark areas of your image.
   - Shadow and Highlight Tonality: Allows you to control tonality only in the shadow or highlight areas of your image.
   - Max Optical Density: Adjusts the focus of the print. Create a soft focus print by setting the density to lower.
   - Highlight Point Shift: If your image is prone to gloss differential, checking Highlight Point Shift will help to reduce gloss differential by adding density to the highlights of your image.
   - Tone Color Circle: Click on any portion of this color wheel or enter corresponding values to customize the tone (hue) to add to your black and white print. The closer you select to the edge of the wheel, the more color you will add to your black and white print.
   - Preview: Approximates the image tone based on your settings. Please note this preview will always be of the same image and is not color managed.

Mac OS X

1. Start your print application and open your photo file.
2. From the File menu, choose Page Setup.
3. Select the Stylus Photo R2400 printer in the Format For menu, and choose the appropriate Paper Size and Orientation for your printout. Then click OK.
4. Select Print from the File menu. Then open the Printer menu and select Stylus Photo R2400.

5. Select Print Settings from the pop-up menu. Select the appropriate Media Type setting for your printout.
6. Select Advanced B&W Photo from the Color menu. Uncheck High Speed.



7. Select Color Management from the pop-up menu.

8. You can adjust the following settings:

   - Color Toning: Allows you to add tone (hue) to your black and white output. The default is Neutral, which will provide you with a neutral tonal scale print. You can also choose other popular presets such as Cool, Warm, and Sepia. Note that the presets will affect the target found in the Tone Color Circle.
   - Tone: Allows you to easily change the entire tonal scale of your black and white output.
   - Brightness: Adjusts the overall lightness and darkness of your image.
   - Contrast: Adjusts the difference between the light and dark areas of your image.
   - Shadow and Highlight Tonality: Allows you to control tonality only in the shadow or highlight areas of your image.
   - Max Optical Density: Adjusts the focus of the print. Create a soft focus print by setting the density to lower.
   - Highlight Point Shift: If your image is prone to gloss differential, checking Highlight Point Shift will help to reduce gloss differential by adding density to the highlights of your image.
   - Tone Color Circle: Click on any portion of this color wheel or enter corresponding values to customize the tone (hue) to add to your black and white print. The closer you select to the edge of the wheel, the more color you will add to your black and white print.
   - Preview: Approximates the image tone based on your settings. Please note this preview will always be of the same image and is not color managed.

Maintaining Your Printer

Follow the instructions in this chapter to keep your printer working at its best and to prepare it for moving, if necessary:

- "Cleaning the Print Head" below
- "Replacing an Ink Cartridge" on page 82
- "Aligning the Print Head" on page 86
- "Cleaning the Printer" on page 88
- "Transporting the Printer" on page 89

Cleaning the Print Head

If your printouts are unexpectedly light, or dots or lines are missing, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly. Print head cleaning uses ink, so clean it only if quality declines.

> **Caution:** When you don't turn on your printer for a long time, print quality can decline, so turn it on at least once a month to maintain good print quality.

This section explains how to clean the print head using the Auto Nozzle Check and Cleaning utility and the Head Cleaning utility. Use the Auto Nozzle Check and Cleaning utility first to let the printer check and clean the nozzles. If you still notice problems with quality, you can manually clean the print head.

> **Note:** You can also clean the print head by holding down the ◊ ink button on the printer for three seconds (when the red ◊ ink light is off).

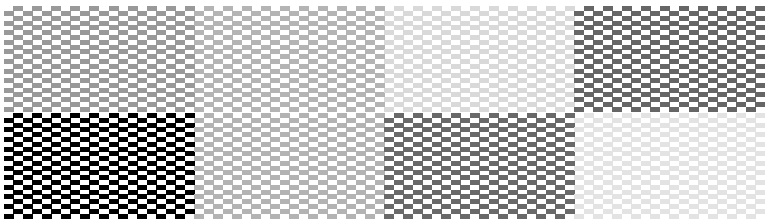
Automatically Checking and Cleaning the Print Head

The Auto Nozzle Check and Cleaning utility prints a nozzle check pattern that the printer then reads to see if you have any clogged nozzles. If cleaning is needed, the printer automatically cleans the print head.

1. Make sure the printer is turned on but not printing, and the red ◊ ink light is off. (If the ◊ ink light is flashing or on, you need to replace a cartridge; see page 82.)
2. Load several sheets of plain, letter-size paper in the printer's sheet feeder.
3. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Auto Head Cleaning.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R2400, click OK, and select Auto Nozzle Check and Cleaning.
4. Follow the instructions on the screen. The printer prints and examines the nozzle check pattern shown below. If cleaning is necessary, it then cleans the print head and prints and checks another nozzle check pattern.



5. The utility prints and checks up to five times. If some print head nozzles are still clogged, it displays an on-screen message telling you to manually clean the print head. Follow the instructions on page 81 to clean the print head, if necessary.

If you still have print quality problems, check the solutions beginning on page 99. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

Running the Head Cleaning Utility

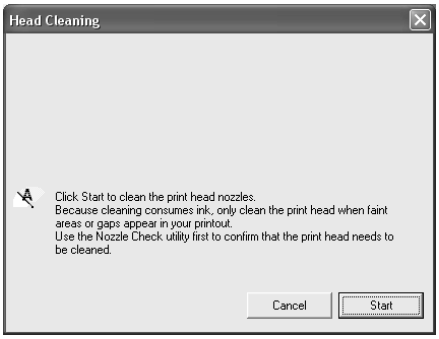
1. Make sure the printer is turned on but not printing, and the red ink light is off. (If the ink light is flashing or on, you need to replace a cartridge; see page 82.)
2. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Head Cleaning.

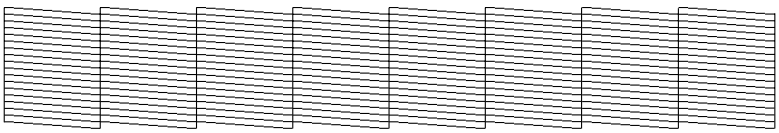
   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R2400, click OK, and select Head Cleaning.
3. Follow the instructions on the screen to clean the print head.

   Cleaning takes about two minutes, during which the printer makes noise and the green power light flashes.

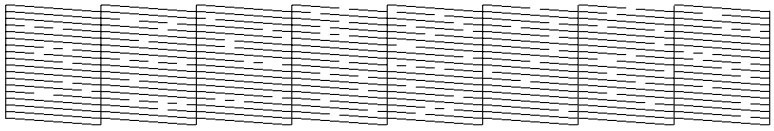
   Caution: Never turn off the printer while the green power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.



4. When the green power light stops flashing, make sure paper is loaded in the printer. Click Print nozzle check pattern, then click Print (Windows) or click Confirmation, then click Next (Macintosh). The nozzle check pattern prints.
5. If the nozzle check pattern has no gaps or lines (as shown below), click Finish.



If the pattern has white lines or gaps (as shown below), click Clean to clean the print head again.



If you don't see any improvement after cleaning the print head three or four times, check the solutions beginning on page 99. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then clean the print head again.

Replacing an Ink Cartridge

When the red ◊ ink light flashes, an ink cartridge is low on ink.

When the red ◊ ink light stays on, you need to replace a cartridge.

You can open the printer cover to check the ink light indicating which cartridge is low on ink or needs to be replaced.

When a cartridge is more than six months old, you may need to replace it if printouts don't look their best. If the quality doesn't improve after cleaning and aligning the print head, you can replace the cartridge even if the red ◊ ink light is off.

Caution: Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

Checking the Ink Supply

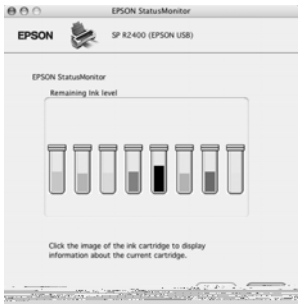
To check your ink supply, do one of the following:

- **Windows**: Double-click the icon on the Windows taskbar.

  You see a window like this:

- **Mac OS X**: Choose Applications > EPSON Printer Utility > SP R2400 > EPSON StatusMonitor.

  You see a window like this:



Click a cartridge image to display information about the cartridge.

Purchasing Ink Cartridges

Use these Epson ink cartridges within six months of installing them and before the expiration date on the package:

Ink cartridge	Part number
Light Light Black	T059920
Light Magenta	T059620
Light Cyan	T059520
Light Black	T059720
Photo Black	T059120
Matte Black	T059820
Cyan	T059220
Magenta	T059320
Yellow	T059420

Caution: To ensure good results, use genuine Epson ink cartridges and do not refill them. Other products may cause damage to your printer not covered by Epson's warranty.

You can purchase genuine Epson ink and paper from an authorized Epson reseller. To find the nearest reseller, please call 800-GO-EPSON (800-463-7766). To purchase online, visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for reseller referral.

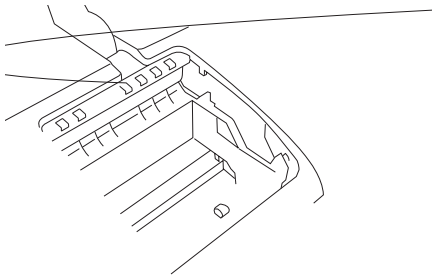
Ink Cartridge Precautions

Warning: Keep ink cartridges out of the reach of children and don't drink the ink.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them thoroughly with water.

Caution: To avoid damaging the printer, never move the print head by hand.

4. Press in the tab on the back of the cartridge, lift it out of the printer, and dispose of it carefully.



5. Shake the new cartridge four or five times before opening its package. (Don't shake it after it's unwrapped.)
6. Remove the new cartridge from its package.

7. Slide the new cartridge into its slot. The side with the green circuit board goes in the front of the slot.
8. Press the cartridge down until it clicks into place.

9. If you need to replace any other ink cartridges, repeat steps 4 through 8.
10. Close the cartridge cover, press down on the top until it clicks, then close the printer cover.

11. Press the ink button. The printer begins charging the ink delivery system.

    The green power light and red ink lights flash and the printer makes noise. Charging takes about 90 seconds. When it's finished, the green power light stops flashing and stays on. The red ink light and the light(s) above the cartridge(s) go out.

    Caution: Never turn off the printer while the green power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

Aligning the Print Head

If your printouts contain misaligned vertical lines, or you see light or dark horizontal banding, you may need to align the print head. You can have the printer automatically check and align the print head or you can check and adjust the alignment yourself.

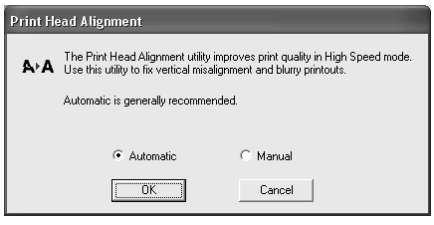
Automatically Aligning the Print Head

1. Make sure the printer is turned on but not printing.
2. Load at least three sheets of letter-size Photo Quality Ink Jet paper.
3. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Print Head Alignment.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R2400, click OK, and select Print Head Alignment.

   You see a screen like this:



4. Click the Automatic button, if necessary, then click OK.
5. On the next screen, click Start. The printer then prints and checks an alignment pattern. It then prints and checks two more patterns.
6. When alignment is finished, click Finish on the last screen.

Manually Aligning the Print Head

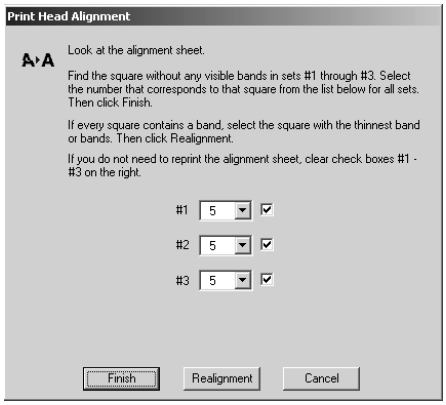
1. Make sure the printer is turned on but not printing.
2. Load letter-size Photo Quality Ink Jet paper.
3. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Print Head Alignment.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R2400, click OK, and select Print Head Alignment.

4. Click the Manual button, then click OK.

   You see a screen like this as the printer prints an alignment check pattern:



5. On the check page, select the box in each pattern that has the least noticeable lines in it. You may need to use a magnifying glass or loupe.

   Select one box for each pattern numbered 1 through 3. Then enter the box number for each pattern in the boxes on the screen.

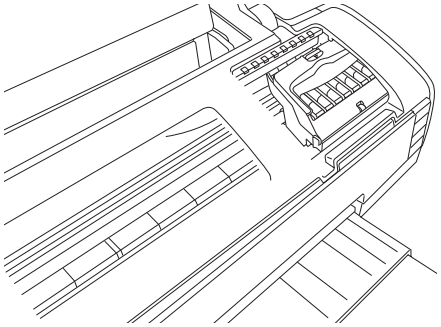
   If box #5 is *not* the best-aligned box in each pattern, click Realignment to print another test page and repeat this step.

6. When box #5 is the best-aligned in all the patterns, click Finish.

Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year.

1. Turn off the printer, unplug the power cord, and disconnect the interface cable.
2. Remove all the paper, then use a soft brush to clean the paper feeders.
3. Clean the exterior of the printer with a soft, damp cloth. Keep the paper support and printer cover closed as you clean the printer.
4. If you need to clean ink out of the inside of the printer, use a soft cloth to clean only the black plastic area shown below:



Warning: Don't touch the gears or rollers inside the printer.

Caution: Never use a hard or abrasive brush, or benzine, alcohol, or thinner for cleaning; they can damage the printer components and case.

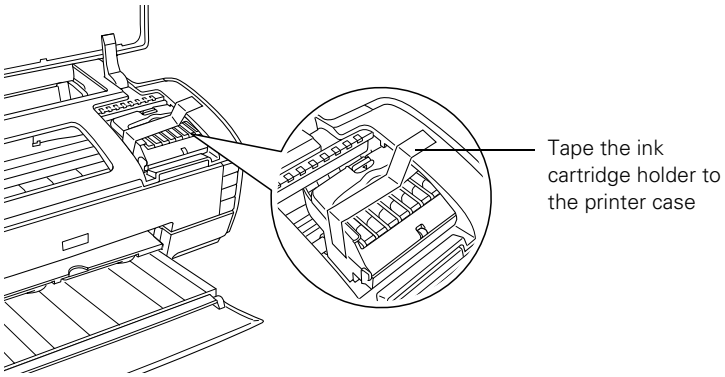
Don't get water on the printer components and don't spray or apply lubricants or oils inside the printer.

Don't use any cleaning sheets included with special paper; they may jam inside the printer.

Transporting the Printer

If you move your printer some distance, you need to prepare it for transportation in its original box or a similar one. Follow these steps:

1. Turn on the printer, and wait for the print heads to move right to the home position.
2. Turn off the printer, unplug the power cord, and disconnect the interface cable.
3. Open the printer cover and tape the ink cartridge holder to the printer case using packing tape. Then close the printer cover.



Caution: Be sure to remove the tape after installing the printer in its new location.

4. Remove any paper from the printer, then remove the roll paper holder or single sheet guide, if it is installed.
5. Close the output tray and the paper support.
6. Repack the printer and its attachments in the original box using the protective materials that came with them.

Keep the printer level as you transport it.

After transporting the printer, remove the tape you used in step 3. Then test your printer. If you notice a decline in print quality, clean the print head (see page 79); if output is misaligned, align the print head (see page 86).

Solving Problems

See “Diagnosing Printer Problems” on page 94 to help determine what the cause of your printer problem may be. Then see these sections for solutions:

- “Setup and Software Installation Problems” on page 97
- “Printer Problems” on page 98
- “Quality Problems” on page 99
- “Paper Problems” on page 101
- “Miscellaneous Problems” on page 103
- “Uninstalling and Reinstalling Printer Software” on page 104
- “Where To Get Help” on page 105

Tip: It’s a good idea to check Epson’s support web site periodically for free updates to your printer driver. Visit http://support.epson.com. Download instructions are posted for your convenience.

Printer Parts

Printer Buttons

The tables below summarizes the functions of the printer buttons.

Button	Uses
⏻ power	Turns the printer on and off. Hold down the button until the ⏻ power light comes on or goes off.
paper	Loads or ejects paper. Resumes printing after a paper-out or multiple-sheet-feed error. Clears paper error after unloading roll paper. Cancels a print job while printing.
ink	Moves the print head to the ink cartridge replacement position and returns it to its home position. Cleans the print head. Hold down the button for three seconds when the red ink light is off.
roll paper	Prints a cutting guideline and feeds roll paper to the removal position after roll paper printing. Returns roll paper to the printing position after cutting. Reverses roll paper or paper in the single sheet guide out of the printer when held down for 3 seconds.

Printer Lights

The table below summarizes the functions of the printer lights. To diagnose problems indicated by the printer lights, see below.

Light	Meaning
Red paper out	On: printer is out of paper, multiple sheets have fed, or the wrong size sheet has fed. Flashing: paper isn't loaded for the currently selected paper path, or paper is jammed.
Red ink (eight)	On: an ink cartridge is empty, or the Photo Black or Matte Black cartridges were swapped during printing. Flashing: an ink cartridge is low on ink.
Green power	On: printer is turned on. Flashing: printer is receiving a print job, printing, replacing or charging ink, or cleaning the print head.

Diagnosing Printer Problems

First, check the printer's lights (see below) or run a printer check (see page 96).

Lights	Explanation
Green power light flashes	The printer is receiving a print job, printing, replacing or changing, or cleaning the print head.
Red ink light flashes	An ink cartridge is low on ink. Make sure you have a replacement cartridge, then follow the steps on page 84 to install it.
Red ink light on	An ink cartridge is out of ink, not installed, not installed correctly, or is not compatible with the printer. Follow the steps on page 84 to install or reinstall the cartridge correctly. The Photo Black or Matte Black cartridges were swapped during printing. Replace the original cartridge type in use before the error occurred.

Lights	Explanation
Red paper light on	Your paper ran out, or multiple sheets fed. **Sheet Feeder**: If paper is out, load more paper and press the paper button. If multiple sheets fed, press the paper button to eject the paper, then turn your printer off and then on. For loading instructions, see page 12. **Single Sheet Guide**: See page 16 for instructions on loading single sheets of special papers. **Roll Paper**: See page 20 for instructions on loading or reloading roll paper. **Front Path**: See page 24 for instructions on loading or reloading thick media.
Red paper light flashes	Jammed paper is blocking print head movement, or you're trying to print on paper loaded into a path different than the path specified in the printer driver. If you suspect a paper jam, turn off the printer and pull out the jammed paper. Open the cover and remove any jammed or torn paper. Then do one of the following: **Sheet Feeder or Single Sheet Guide**: Turn on the printer, reload paper, and press the paper button. **Roll Paper**: Cut off the printed portion, then remove the paper (see page 43) and reload it (see page 20). **Front Path**: See page 24 for instructions on loading or reloading thick media. If a print job was sent to one paper path, but media is loaded only for another paper path, load the paper in the correct path.
Red paper light flashes quickly Red ink light flashes quickly	Jammed paper or a foreign object is preventing the print head from returning to the home position, or paper is loaded in the sheet feeder and the front path door is open. Turn off the printer, open the printer cover, and remove any jammed or torn paper, or foreign object. Close the front path door if it is open. Then turn the printer back on. If the error persists, contact your dealer or Epson; see page 105.

Lights	Explanation
Green ⏻ power light flashes Red 🗎 paper light flashes slowly Red 💧 ink light flashes slowly	An unknown printer error has occurred. Turn off the printer, wait a few seconds, and turn it on again. If the lights are still flashing, contact your dealer or Epson; see page 105.

Running a Printer Check

You can run a printer check to determine whether a problem comes from the printer or some other source.

1. Turn off your printer and computer, then disconnect the printer's interface cable.
2. Load letter-size paper in the sheet feeder.
3. Hold down the 🗎 paper button, then press and release the ⏻ power button. Continue to hold down the 🗎 paper button until the ⏻ power light flashes.
4. A test page prints the printer's ROM version number and a nozzle check pattern.
   - If the check page prints, the problem probably lies in your software settings, interface cable, or computer, or your software may not be installed correctly.
   - If the check page doesn't print, you may have a problem with your printer.

   Try the suggestions in "Problems and Solutions" beginning on page 97.
5. Turn off the printer, connect the interface cable, and turn on your printer and computer.

Problems and Solutions

Setup and Software Installation Problems

The printer makes noise after ink cartridge installation.

- When you install ink cartridges, the printer must charge its print head for about two and a half minutes. Wait until it's finished (the green ⏻ power light stops flashing) before you turn off the printer, or it may use excess ink the next time you turn it on.
- Make sure the ink cartridges are inserted completely, the ink cover is closed, and no packing material remains in the printer. Turn off the printer, wait a moment, then turn it back on to clear the error.

You're having problems installing or using the printer software.

- Make sure your printer is turned on and its cable is securely connected at both ends. Follow the installation steps on the *Start Here* sheet, and make sure your system meets the requirements on page 107.
- Close other programs, including screen savers and virus protectors, and install again.
- If you see an error message with Windows 2000, you may not have software installation privileges. Contact your System Administrator.
- If you're using Windows and the USB port, make sure your system was not upgraded from Windows 95; the USB driver may not install correctly.
- If you're printing over a network, see your on-screen *Reference Guide* for instructions on configuring your printer for use on a network.
- In Windows, make sure your printer is selected as the default printer in the Printers utility.

Printer Problems

Only the green ⏻ power light is on, but nothing prints.

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 107.
- Run a printer check as described on page 96. If the test page prints, make sure your software is installed correctly.
- If you're printing on a network, make sure you set up your printer for network printing, as described in your on-screen *Reference Guide*.

The printer sounds as though it is printing, but nothing prints.

- The print head may need cleaning; see page 79 for instructions.
- The printer won't operate properly if it's tilted or at an angle. Place it on a flat, stable surface.

Your printer makes noise when you turn it on or after it has been sitting for awhile.

Your printer is performing routine maintenance.

Printing is too slow.

Make sure your system meets the recommended requirements listed on page 107. You may also need to:

- Clear space on your hard drive or run a defragmentation utility.
- Close open programs that you're not using.
- Increase your system's memory (RAM).

For the fastest printing:

- Select Draft (Windows) or set the Quality/Speed slider to Speed (Macintosh).
- Turn High Speed on and turn Finest Detail off, if available.
- If your printer is connected to a USB hub, disconnect any unused USB devices. Use a Hi-Speed USB 2.0 cable connected to a Hi-Speed USB 2.0 port.

Quality Problems

You see banding (light lines).

- Clean the print head; see page 79 for instructions.
- Select a higher print quality and turn off High Speed mode; see page 31 (Windows) or page 39 (Macintosh).
- Select the correct Type or Media Type setting for your paper; see page 41.
- Make sure the printable side of the paper is face up; it's usually whiter or shinier.
- The ink cartridges may need replacing; see page 82.
- Align the print head as described on page 86.

Your print is blurry or smeared.

- Make sure your paper isn't damp, curled, or loaded face down (load new paper face up).
- Use a support sheet with special paper, or try loading your paper one sheet at a time.
- Make sure your paper meets the specifications listed in the on-screen *Reference Guide*.
- Use Epson papers for proper saturation and absorption of Epson inks. If you use a paper not listed under the supported paper types, you may see smears, roller marks, misting, or other problems in your printouts; see page 11.
- Align the print head as described on page 86.
- Select the Thick paper checkbox in your printer software. Access the setting from the printer settings window as follows:

  Windows: Click Maintenance and select Printer and Option Information.

  Mac OS X: Select Extension Setting from the pop-up menu.

Your printout is faint or has gaps.

- Clean the print head; see page 79 for instructions.
- The ink cartridges may be old or low on ink; see page 82.
- Select the correct Type or Media Type setting for your paper; see page 41.
- Make sure your paper isn't damaged, old, dirty, or loaded face down. For best results, use genuine Epson paper.

  Caution: Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

Your printout is grainy.

- Use a higher quality paper or select a higher print quality (for Windows, see page 31; for Macintosh, see page 39).
- Align the print head as described on page 86.
- Increase the image resolution or print it in a smaller size; see your software documentation.
- Make sure you're not printing a PostScript® file.

You see wrong or missing colors.

- Make sure Color ink is selected (Macintosh), even when printing black and white photographs, unless you are using Advanced B&W Print settings.
- Clean the print head; see page 79 for instructions.
- The ink cartridges may be old or low on ink; see page 82.

- Try turning off PhotoEnhance (Windows). Also check if you're using a special effect that alters image colors, like Sepia.
- Change the Gamma setting (Macintosh); see page 39.
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. See the Photoshop color management instructions on page 53. If your photos have a dark, underexposed and/or yellow-brown cast or a light, overexposed and or light-blue cast after using color management, see the solutions on page 62.

Paper Problems

Paper doesn't eject fully or is wrinkled.

- If the paper doesn't eject fully, you may have set the wrong paper size. Press the paper button to eject the paper, then select the correct paper size.
- If it's wrinkled when it ejects, the paper may be damp or too thin. Load new paper.

Paper sheets don't feed correctly.

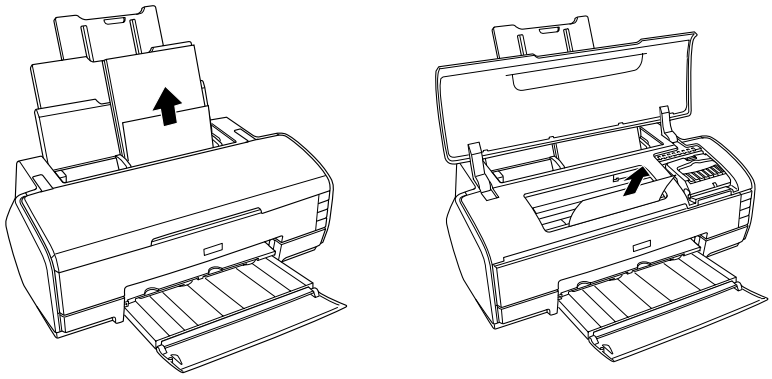
- If paper doesn't feed or multiple pages feed, remove it from the sheet feeder. Fan the edges of the sheets, reload them against the right side of the feeder, and slide the left edge guide against the paper, but not too tightly. Don't load paper above the arrow on the left edge guide.
- If you are loading multiple sheets of matte paper that are larger than letter-size, use the matte paper support. See page 15.

Paper sheets jam in the printer.

Press the paper button to eject the jammed paper. If that doesn't work, try the following:

1. Turn off the printer.
2. Remove any jammed paper from the printer's output tray.

3. Remove any jammed paper from the sheet feeder or open the printer cover and remove any paper jammed inside. Press the paper button to clear the error.



Roll paper doesn't feed correctly or jams in the printer.

- Cut the end of the paper straight across. If it's cut diagonally, the paper won't feed smoothly.
- If the roll paper end is curled, place the end inside a folded sheet of paper and roll it backwards against the curl.
- Make sure the paper is loaded in the roll paper feeder, not the sheet feeder; see page 20.
- As you load the paper, gently hold it in the roll paper feeder and wait for it to load; don't force the paper in.
- Select Roll as the Source (Windows) or the correct size and source of Roll Paper for the Paper Size (Macintosh). Other settings will feed too much paper. See page 43 for instructions.
- If extra paper feeds, press the roll paper button for three seconds to rewind the paper all the way (repeat if necessary). If the paper light is on, press the paper button. Reload the paper as described on page 20.

  Note: For certain paper types, clearing a paper jam may leave behind a fine layer of paper dust, which may then appear on your next printout. To prevent this, use a can of compressed air to blow paper dust out of the printer after clearing a paper jam. Open the front path door and direct the airflow through the roll paper feeder (under the white rollers) at the back of the printer. Start on the home position side and move across. Do not blow paper dust into the home position area.

Miscellaneous Problems

The image is inverted, as if viewed in a mirror.

Turn off Mirror Image in the printer software or the mirror setting in your program. See page 31 (Windows) or page 39 (Macintosh) for instructions.

The printer prints blank pages.

- Make sure your printer is selected in the Print window, or in the Macintosh Printer Setup Utility or Print Center.
- Clean the print head; see page 79 for instructions.

You see incorrect characters.

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 107.
- Make sure your printer is selected in the Print window, or in the Macintosh Printer Setup Utility or Print Center.
- If you're using a switch box or USB hub with your printer, connect the printer directly to your computer instead.

The margins are incorrect.

- Make sure the paper settings are correct for your paper size. See page 28 (Windows) or page 33 (Macintosh).
- Choose the correct margins for your paper size. The margins must be within the printable area of the page; see "Printer Specifications" in your on-screen *Reference Guide*.
- Place your paper against the right side of the feeder with the left edge guide snug against it.
- Make sure the Borderless setting is set correctly for your margins; see page 43 for roll paper or page 49 for cut sheets.

Too many copies printed.

Make sure that the Copies option in your printer software or program is not set for multiple copies.

Image size/position is incorrect.

Make sure the paper and layout options are set correctly.

Uninstalling and Reinstalling Printer Software

You may need to uninstall and then reinstall your printer driver and utilities if, for example, you upgrade your Windows operating system. You don't need to uninstall your other photo software or the Epson *Reference Guide*.

Windows

1. Click Start, and select Programs or All Programs.
2. Point to Epson or EPSON Printers, then select EPSON Printer Software Uninstall.
3. In the next window, select EPSON Stylus Photo R2400 and click OK. Then follow the on-screen instructions.
4. Restart your computer, then see the *Start Here* sheet to reinstall your software.

Mac OS X

1. Open the Applications folder, then the Utilities folder.
2. Select Printer Setup Utility or Print Center, select Stylus Photo R2400, and click the Delete button.
3. Restart your Macintosh, then see the *Start Here* sheet to reinstall your software.

Where To Get Help

If you need help with your printer or EPSON RAW Print, see the information below.

For help with other software that came with your printer, see page 106.

Epson provides technical assistance 24 hours a day through the electronic support services and automated telephone services listed below:

Service	Access
World Wide Web	From the Internet, you can reach Epson Support at **http://support.epson.com**. At this site, you can download drivers and other files, look at product documentation, access troubleshooting information, and receive technical advice through e-mail.
Automated Telephone Services	A variety of automated help services are available 24 hours a day, seven days a week. To use these services, you must have a touch tone telephone and call **(800) 922-8911**. Your Epson SoundAdvice℠ Express Code is **70630**. Use this code to quickly select the Epson Stylus Photo R2400 in SoundAdvice.

To speak to a technical support representative, dial:

- U.S.: **(562) 276-7296**, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday.
- Canada: **(905) 709-2567**, 6 AM to 6 PM, Pacific Time, Monday through Friday.

Toll or long distance charges may apply.

Please have the following information ready:

- Product name (Epson Stylus Photo R2400)
- Product serial number (located on the back of the printer and on its box)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration and operating system version
- Description of the problem

You can purchase genuine Epson ink and paper from an authorized Epson reseller. To find the nearest reseller, please call 800-GO-EPSON (800-463-7766). To purchase online, visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for reseller referral.

Technical Support for Other Photo Software

Software	Web site or e-mail	Telephone
nik Multimedia	supportus@nikmultimedia.com	(619) 725-3150, 8:30 AM to 5 PM, Monday to Friday, Pacific Time

Requirements and Notices

Windows System Requirements

To use your printer and its software, we recommend that your system has:

- Microsoft Windows compatible PC with a Pentium® III 500 MHz or higher processor (1 GHz or higher recommended)
- Windows 2000 or XP
- 256MB or more of RAM (512MB or more recommended)
- 200MB or more of free hard disk space recommended
- VGA or better display adapter and monitor
- CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a Windows-compliant USB 1.1 port or Hi-Speed USB 2.0 port (recommended) and a shielded USB "AB" cable

  IEEE-1394 connection: an OHCI-compliant IEEE-1394 port and an IEEE-1394 cable

Macintosh System Requirements

To use your printer and its software, we recommend that your system has:

- An Apple iMac™ series or Power Macintosh® G3 (400 MHz or higher), G4 (1 GHz or higher recommended), or G5
- Mac OS X 10.2.4 or later
- 256MB or more of available RAM (512MB or more recommended)
- 200MB or more of free hard disk space recommended
- VGA display or better
- CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a shielded USB "AB" cable (Hi-Speed USB 2.0 recommended)

  FireWire connection: an OHCI-compliant FireWire port and a FireWire cable

Important Safety Instructions

Before using your printer, read these safety instructions to make sure you use it safely and effectively:

- Be sure to follow all warnings and instructions marked on the printer.
- Use only the type of power source indicated on the printer's label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Place the printer near a wall outlet where the plug can be easily unplugged.
  Placez l'imprimante près d'une prise de courant où la fiche peut être débranchée facilement.
- Do not let the power cord become damaged or frayed.
- If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the outlet's ampere rating.
- Keep your printer and computer system away from potential sources of electromagnetic interference, such as loudspeakers or cordless telephone base units.
- Avoid locations that are subject to rapid changes in heat or humidity, shocks or vibrations, or dust.
- Leave enough room around the printer for sufficient ventilation, leaving at least 3.9 inches between the back of the printer and the wall.
- Do not place the printer near a radiator or heating vent or in direct sunlight.
- Place the printer on a flat, stable surface that extends beyond the printer base in all directions. The printer will not operate properly if it is tilted or at an angle.
- When transporting or storing the printer, don't tilt it, stand it on its side, or turn it upside-down. This may allow ink to leak from the ink cartridges.
- Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.

  Caution: Always turn the printer off using the ⏻ power button. Don't switch off the power strip or unplug the printer until the green ⏻ power light is off.

- Do not block or cover the openings in the printer's case or insert objects through the slots.
- Except as specifically explained in this manual, do not attempt to service the printer yourself.
- Unplug the printer and refer servicing to qualified service personnel under the following conditions:

  If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the case damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.

Ink Cartridge Safety Instructions

- Keep ink cartridges out of the reach of children.
- Be careful when you handle used ink cartridges; there may be ink remaining around the ink supply port. If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Do not put your hand inside the printer or touch a cartridge during printing.
- Do not move the print head by hand. You may damage the printer.
- Install the ink cartridge immediately after you remove it from its package. Leaving the cartridge unpacked for a long time before use can result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge carton. For best results, use up the ink cartridges within six months of first installing them.
- Store ink cartridges in a cool, dark place.
- Store ink cartridges with the bottom of the packaging facing down.
- After bringing an ink cartridge inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Shake an ink cartridge 4 or 5 times before removing it from its package.
- Do not shake an ink cartridge after removing it from its package; this can cause leakage.
- Do not remove or tear the label on an ink cartridge; this can cause leakage.
- Do not dismantle the ink cartridges or try to refill them. This could damage the print head.
- Do not touch the green IC chip on the front of the cartridge. This may affect normal operation and printing.
- If you remove an ink cartridge for later use, protect the ink supply area from dirt and dust and store it in the same environment as the printer. Note that there is a valve in the ink supply port, making covers or plugs unnecessary, but care is needed to prevent the ink from staining items that the cartridge touches. Do not touch the ink cartridge ink supply port or surrounding area.

ENERGY STAR Compliance

As an ENERGY STAR® Partner, Epson has determined that this product meets the ENERGY STAR guidelines for energy efficiency. The EPA ENERGY STAR office equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration of Conformity

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: Epson America, Inc.

Located at: MS: 3-13
3840 Kilroy Airport Way
Long Beach, CA 90806
Telephone: (562) 290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: Epson

Type of Product: Ink Jet Printer

Model: B321A

Epson America, Inc. Limited Warranty

What Is Covered: Epson America, Inc. ("Epson") warrants to the original retail purchaser that the Epson printer covered by this limited warranty statement, if purchased and operated only in the United States or Canada, conforms to the manufacturer's specifications and will be free from defects in workmanship and materials for a period of one (1) year from the date of original purchase. Epson also warrants that the consumable ink cartridges enclosed with the printer will perform to the manufacturer's specified usage, which usage may expire before the expiration of the limited warranty for the Epson printer. For warranty service, you must provide proof of the date of original purchase.

What Epson Will Do To Correct Problems: Should your Epson printer prove defective during the warranty period, please call the Epson Connection[SM] at (562) 276-7296 (U.S.) or (905) 709-2567 (Canada) for warranty repair instructions and return authorization. An Epson service technician will provide telephone diagnostic service to determine whether the printer requires service. If service is needed, Epson will, at its option, exchange or repair the printer without charge for parts or labor. If Epson authorizes an exchange for the defective unit, Epson will ship a replacement printer to you, freight prepaid, so long as you use an address in Canada or the U.S. (excluding Puerto Rico and U.S. Possessions). Shipments to other locations will be made freight collect. You are responsible for securely packaging the defective unit and returning it to Epson within five (5) working days of receipt of the replacement. Epson requires a debit or a credit card number to secure the cost of the replacement

printer in the event that you fail to return the defective one. If your printer is being repaired, Epson will direct you to send your printer to Epson or its authorized service center, where the printer will be fixed and sent back to you. You are responsible for packing the printer and for all costs to and from the Epson authorized service center. When warranty service involves the exchange of the printer or a part, the item replaced becomes Epson property. The replacement printer or part may be new or refurbished to the Epson standard of quality, and, at Epson's option, may be another model of like kind and quality. Epson's liability for replacement of the covered printer will not exceed the original retail selling price of the covered printer. Exchange products and parts assume the remaining warranty period of your original product covered by this limited warranty.

What This Warranty Does Not Cover: This warranty does not apply to refurbished or reconditioned products. This warranty covers only normal use in the United States and Canada. Using this product for continuous production or similar high duty purposes is not considered normal use; damage, maintenance or service from such use will not be covered under this warranty. This warranty is not transferable. This warranty does not cover any color change or fading of prints or reimbursement of materials or services required for reprinting. This warranty does not cover damage to the Epson product caused by parts or supplies not manufactured, distributed or certified by Epson. This warranty does not cover ribbons, ink cartridges or third party parts, components, or peripheral devices added to the Epson product after its shipment from Epson, e.g., dealer or user-added boards or components. Epson is not responsible for warranty service should the Epson label or logo or the rating label or serial number be removed or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, improper electrical current, software problems, interaction with non-Epson products, or service other than by an Epson Authorized Servicer. If a claimed defect cannot be identified or reproduced, you will be held responsible for the costs incurred.

THE WARRANTY AND REMEDY PROVIDED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE. SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES. IF THESE LAWS APPLY, THEN ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED TO THE WARRANTY PERIOD IDENTIFIED ABOVE. UNLESS STATED HEREIN, ANY STATEMENT OR REPRESENTATIONS MADE BY ANY OTHER PERSON OR FIRM ARE VOID. EXCEPT AS PROVIDED IN THIS WRITTEN WARRANTY, NEITHER EPSON AMERICA, INC. NOR ITS AFFILIATES SHALL BE LIABLE FOR ANY LOSS, INCONVENIENCE, OR DAMAGE, INCLUDING DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR INABILITY TO USE THE EPSON PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY.

In Canada, warranties include both warranties and conditions.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, and some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from jurisdiction to jurisdiction.

Epson America, Inc. ■ P. O. Box 93012 ■ Long Beach, CA 90809-3012

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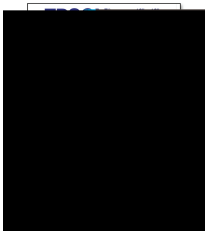
Epson Ink Jet Papers

Use Epson® paper and inks to get the same photo quality results that have earned Epson's printers all of their awards! Epson papers are specially coated to work with Epson UltraChrome™ inks. Here are details about just a few of Epson's papers and your printer's ink cartridges:

Premium Luster Photo Paper

This instant drying RC photo paper produces vivid, lifelike images that rival those of traditional silver halide prints. Its semigloss "E" surface and 10 mil thickness provide a true photographic look and feel.



Epson Watercolor Paper

A thick, heavyweight paper with a coated matte surface, this affordable media has the look and feel of fine art paper. Perfect for presenting photographic reproductions and graphic designs on matte textured surfaces, this media offers a different look from resin-coated photo papers.

Epson Matte Paper Heavyweight

EPSON Matte Paper-Heavyweight delivers long lasting photographs with a matte finish. With its heavyweight, bright white, ultra-smooth coated finish, this paper is perfect for photographs, craft projects and signage.

How To Order Epson Ink and Paper

You can purchase genuine Epson ink and paper from an Epson authorized reseller. To find the nearest authorized reseller, please call 800-GO-EPSON (800-463-7766). To purchase online, visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for a reseller referral.

Epson Ink Cartridges

Ink cartridge	Part number
Light Light Black	T059920
Light Magenta	T059620
Light Cyan	T059520
Light Black	T059720
Photo Black	T059120
Matte Black	T059820
Cyan	T059220
Magenta	T059320
Yellow	T059420

Epson Papers

Paper name	Size	Part number
Epson Premium Glossy Photo Paper	Letter (8.5 x 11 inches)	S041667/S041286
	4 x 6 inches, Borderless	S041727/S041808
	5 x 7 inches, Borderless	S041464
	8 x 10 inches, Borderless	S041465
	4 inches x 26 ft roll paper	S041302
	8.3 inches x 32.8 ft roll paper	S041376
	B (11 x 17 inches)	S041290
	A3 (11.7 x 16.5 inches)	S041288
	Super B (13 x 19 inches)	S041289
	11 x 14 inches, Borderless	S041466
	13 inches x 32.8 ft roll paper	S041378
Epson Premium Semigloss Photo Paper	Letter (8.5 x 11 inches)	S041331
	4 inches x 26 ft roll paper	S041329
	Super B (13 x 19 inches)	S041327
Epson Premium Luster Photo Paper	Letter (8.5 x 11 inches)	S041405
	8.3 inches x 32.8 ft roll paper	S041408
	A3 (11.7 x 16.5 inches)	S041406
	Super B (13 x 19 inches)	S041407
	13 inches x 32.8 ft roll paper	S04140
Epson Enhanced Matte Paper	Letter (8.5 x 11 inches)	S041341
	A3 (11.7 x 16.5 inches)	S041343
	Super B (13 x 19 inches)	S041339
Epson Matte Paper Heavyweight	Letter (8.5 x 11 inches)	S041257
	8 x 10 inches, Borderless	S041467
	11 x 14 inches, Borderless	S041468
	A3 (11.7 x 16.5 inches)	S041260
	Super B (13 x 19 inches)	S041263
Epson Double-Sided Matte Paper	Letter (8.5 x 11 inches)	S041568
Epson Photo Quality Ink Jet Paper	Letter (8.5 x 11 inches)	S041062
	Legal (8.5 x 14 inches)	S041067
	B (11 x 17 inches)	S041070
	Super B (13 x 19 inches)	S041069
Epson Premium Bright White Paper	Letter (8.5 x 11 inches)	S041586
Epson Photo Quality Self Adhesive Sheets	A4 (8.3 x 11.7 inches)	S041106
PremierArt™ Matte Scrapbook Photo Paper for Epson	Letter (8.5 x 11 inches)	SCR1002
	12 x 12 inches	SCR1003
Epson Watercolor Paper - Radiant White	Super B (13 x 19 inches)	S041351
Epson Velvet Fine Art Paper	Letter (8.5 x 11 inches)	S041636
	Super B (13 x 19 inches)	S041637
Epson UltraSmooth™ Fine Art Paper	Super B (13 x 19 inches)	SP91209
PremierArt Water Resistant Canvas for Epson	13 inches x 20 foot roll paper	SP91220

The availability of paper types varies by location.